Accreditation and Endorsement

Continuing Professional Development (CPD) points are awarded to selected courses.

The Concrete Society of Southern Africa (CSSA) endorses all courses presented by the School of Concrete Technology.

The Concrete Institute, its directors, officers, employees, representatives and agents are not liable for any death, harm or injury caused to any person or any loss, destruction or damage caused to any person’s property or possessions arising from goods supplied by or services rendered by The Concrete Institute.
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INTRODUCTION

Welcome to the Concrete Institute’s School of Concrete Technology (SCT) 2020 education programme.

The school is proud to offer you a wide variety of courses that have been developed over numerous years to meet the concrete educational needs of those working with concrete or in a concrete related industry.

The SCT informally started in the early 1950’s with the then Portland Cement Institute (PCI) presenting many lectures and organising several symposia. In 1974 PCI established a formal training school and programme pitched at the Foreman level. Due to the success of these courses, more courses were introduced in 1975 for engineers and technicians; and special one day advanced modules covering pumping, repairs and admixtures were added later. In these years a cross-section of the whole industry, from foreman to sales representatives, started attending the SCT courses. The popularity of the courses placed a severe strain on the laboratory in which they were then held.

In June 1980 the school had outgrown its premises in Auckland Park and moved into a new home at Portland Park in Halfway House. Here the school thrived in a state-of-the-art facility and the courses formalised into what is now offered in this programme. During the 80’s the City and Guilds courses, which we now offer as the SCT 41 and SCT 42 courses on behalf of the Institute of Concrete Technology in London, were introduced. The Advanced Concrete Technology course was first run in 1990 with the graduates receiving their diplomas in 1991.

The SCT moved to Waterfall Park in 2006 where it continues today to offer 16 different courses. These courses are continually updated to track all the exciting changes that happen in the world of concrete technology.

The concrete technology education provided by the SCT will open many doors for those wishing to work in the concrete industry.

Please contact the School of Concrete Technology to discuss the best concrete technology educational path for you.

The school would like to thank all the clients and students that supported us during 2019. We look forward to continuing your concrete education in 2020.

GENERAL INFORMATION

Courses are presented most frequently at The Concrete Institute School of Concrete Technology in Midrand, Gauteng. Courses are also offered in Durban and Cape Town. Courses can be tailored to accommodate specific clients’ needs and requirements on request anywhere in South Africa. The Concrete Institute courses are presented by experts in their field. Appropriately, backed up by practical demonstration in the The Concrete Institute training laboratory.

Registration for courses

Complete and e-mail the appropriate registration form on pages 15 to 20 or contact the Course Organiser. (See contact information on back cover.) You may download registration forms from our website on www.theconcreteinstitute.org.za

Course fees

Please note that all course fees must be paid prior to the start of the course and bookings are only confirmed upon receipt of either the full course fee or an order from producer members of The Concrete Institute. Deposits should be made into The Concrete Institute account.
Deposits and cheques must be identified by course name and date and be made out to The Concrete Institute.

A copy of the deposit slip must be e-mailed with the reference number to eldenem@theconcreteinstitute.org.za

NB: Always clearly identify the course, course dates and the person(s) for whom payment is being made.

Banking details
Standard Bank, Midrand, branch code 001155 and account number 202 493 784 / SWIFT CODE: SBZAZAJJ.

Cancellations
If you cancel a confirmed booking five or more business days prior to the course we will levy cancellation charges of 50% of the course price. Cancellations less than five days prior to the course and non-attendance will result in a charge of 100% of the course price.

VAT invoices
A Tax Invoice will only be issued to customers on request and or receipt of a purchase order number from a producer member and customers that are registered vendors with The Concrete Institute. All invoices must be paid within 30 days of receipt. To assist with payments, quotations will be issued on receipt of a registration form.

Safety requirements
Learners who will be working in the training laboratory must wear safety shoes, long trousers and avoid loose fitting clothing for safety.

Accommodation
Learners and their employers are responsible for all travel and accommodation arrangements and costs. The following accommodation is available in Midrand.
Mercuré Inn ............................ +27 (0)11 312-2020
Midrand Town Lodge ............... +27 (0)11 315-6047
City Lodge (Waterfall City)... +27 (0)10 065-0000

Meals
Tea, coffee and lunch are included in the course fees. Special dietary requirements must be discussed with the Course Organiser in advance.

Travelling
Maps and GPS co-ordinates to venues are included on pages 21 to 23. Learners should arrive in good time, as registration starts at 7:30 and lectures at 08:00 sharp. We are on the Gautrain bus route.

The Concrete Institute certificates
The Concrete Institute certificates of competence or attendance will be awarded to learners. Reprint of lost certificates will be done at a fee of R500 excl VAT.

Rewrites
Learners may be permitted to rewrite a test, by mutual agreement with the SCT at a fee of R860 excl VAT.

ICT EXAMS STAGE 2, 3 and ACT time: 11h00 - 14h00
COURSES

**SCT 10** 2 DAYS
**Introduction to concrete**
**LAB SESSION INCLUDED**
This course is recommended for small, medium and micro enterprises, junior technical and sales staff in the building, construction and allied industries, and anyone wanting a short introduction to concrete. Learners are given hands-on practical exercises to illustrate the theory given in the classroom. Learners must be able to read and write English.

**SYLLABUS**
- Properties of concrete
- Materials for concrete
- Receiving and storing materials
- Batching, mixing and testing concrete
- Transporting, placing and compacting
- Finishing and surface preparation
- Protection and curing
- Formwork and reinforcement
- Sand-cement mixes
- Durability of concrete

**SCT 11** 1 DAY
**Concrete Basics**
**LAB SESSION INCLUDED**
This course is recommended for anyone who needs to know the basic function of concrete. Learners must be able to read and understand English at a level that will allow them to understand simplified technical lectures. There are no calculations. Theoretical concepts given in lectures are demonstrated in laboratory sessions.

**SYLLABUS**
- Requirements of concrete
- Choosing aggregates and cement
- Factors that make concrete more workable
- Compaction of concrete
- Mix proportions for concrete
- The importance of making good cubes
- Acceptance and storage of materials
- Formwork and reinforcement
- Sand-cement mixes
- Transporting
- Curing

Learners who have recently attended the SCT 10 course, should not attend this course.

**SCT 12** HALF DAY
**Mortars, plasters, screeds and masonry**
**LAB SESSION INCLUDED**
This course was originally developed to assist NHBRC inspectors to interpret the requirements of the NHBRC ‘Home Builder’s Manual’ and is written around that manual to the extent that the clauses are cross-referenced from the notes.

**SYLLABUS**
- Factors that affect the strength of concrete
- The role and selection of cement, sand, stone and water
- Receiving and storage of materials
- Mix proportions for concrete for foundations and floors
- Floor screeds
- The slump and cube tests for concrete
- Concrete and clay masonry, expansion and shrinkage
- Cavity walls and block walls
- The need for movement joints
- Properties of mortar and plaster
- Sand-cement mixes
- Common causes of cracking
- Screeds

**SCT 13** HALF DAY
**Making concrete bricks and blocks**
**LAB SESSION INCLUDED**
This course will assist with empowering learners, giving them a rudimentary understanding of how to manufacture masonry units. Learners must be able to read and write English.

**SYLLABUS**
- Requirements of masonry
- How cement works and how to make masonry strong
- The quantity of water necessary for workability
- Blockmaking machines
- Selection of materials and mix proportions
- Curing of finished blocks
- Storage of materials
- Sand-cement mixes
- Testing of masonry
- Building with masonry to minimise cracking
**SCT 14 1 DAY**  
**Concrete for RMC truck drivers**  
**LAB SESSION INCLUDED**

This course is intended to give RMC truck drivers an introduction to concrete and the tests that may be carried out in their presence. The course will provide basic concrete technology and will enable the driver to understand the importance of his position as a front line staff member interfacing with the client.

**SYLLABUS**
- Factors that affect the strength of concrete  
- Bleeding, workability, cohesion and segregation of concrete  
- The slump test – how to do it and what it means  
- The cube test – how to make cubes and what they mean  
- The effect of hot/cold weather on the transport of concrete  
- Delays, contamination or spillage during transport  
- Access to the worksite  
- The effect of the addition of water  
- Transport of concrete around the site after discharge  
- Things to observe on site  
- Washing out of the truck  
- Customer relations

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**SCT 15 1 DAY**  
**Concrete for batchers and batch plant staff**  
**LAB SESSION INCLUDED**

The Concrete Institute (TCI) has developed this one day course in partnership with Southern African Readymix Association (SARMA). It will be presented in Johannesburg, Durban, Port Elizabeth and Cape Town. This course covers important topics that will provide batchers and staff at a batch plant with the essential concrete education and theory required to competently do their jobs and produce quality readymix concrete.

- A batchers responsibilities  
- Constituent materials and the effect they have on concrete  
- Fresh properties of concrete and the tests required to check these properties  
- Basics of mix design including the control of the overall water content in a mix  
- Testing for the hardened properties of concrete  
- Clients requirements and customer satisfaction  
- Basic management of a batch-plant including quality control and assurance

**Who should attend**
This course has been developed specifically for batchers but would also greatly benefit any person working on or with a batch plant including supervisors, laboratory staff, sales staff and general labourers.
SCT 20  4 DAYS
Concrete practice
LAB SESSION INCLUDED
CPD Points - 4
This course is recommended for foremen, clerks-of-work, technicians, supervisors, sales and technical staff in the building, construction, mining and related industries.

Minimum entrance requirements
Grade 10, able to read and write English and do basic arithmetic calculations including percentages and ratios.

SYLLABUS
- Properties of fresh concrete
- Properties of concrete at early ages
- Properties of hardened concrete
- Materials for concrete
- Mix proportions and quantities
- Concrete production
- Transporting
- Placing and compacting
- Protection and curing
- Formwork
- Reinforcement
- Joints
- Sand-cement mixes
- Concreting in hot and cold weather
- Defects and repairs
- Low-density concrete
- Prestressed concrete
- Precast concrete
- Off-shutter and architectural finishes
- Sampling and testing
- Concrete pavements

SCT 21  1 DAY
Concrete industrial floors on the ground
CPD Points - 1
This concrete industrial floors on the ground course aims to help engineers and contractors by giving a broad, detailed and practical overview of all facets of industrial floor construction.

Minimum entrance requirements
Grade 12 minimum.

SYLLABUS
- Design philosophy
- Subgrades and subbases
- Concrete
- Joints
- Reinforcement
- Construction
  - Subgrades and subbases
  - Damp-proofing
  - Construction joints
  - Concrete production and placing
  - Construction methods
  - Vacuum dewatering
  - Side forms
  - Dowels
  - Edging
  - Finishing
  - Curing
  - Joint sawing
  - Joint sealing
- Surface finishes
  - Construction methods
  - Finishing techniques
  - Adverse weather
  - Concrete toppings
  - Surface treatments
- Special applications
This course focuses on the technology applied in the design and construction of concrete pavements. It covers the supporting layers, thickness design using computer program, cncPave, and joint design, detailing and layout. Concrete materials and mix design, construction, modes of distress and failure, and rehabilitation are also included.

Minimum entrance requirements
A degree or diploma in civil engineering is recommended. A number of years’ experience in road design and/or construction is highly recommended.

SYLLABUS
- Pavement types and behaviour
  - Rigid pavement types and behaviour
  - Distress and modes of failure
  - Design objectives
- Concrete pavement support
  - Subgrades
  - Subbases
  - Drainage
- Pavement design
  - Introduction to mechanistic design
  - Mechanistic design - cncPave and other methods
  - Use of cncPave
- Concrete mix design
  - Materials and specifications
  - Mix design
  - Durability
- Joints
  - Load transfer
  - Joint design
  - Joint layout
  - Sealants
- Reinforcement
  - Use and detailing of reinforcement
- Construction
  - Mechanised
  - Labour intensive
  - Inlays
  - Overlays
  - Low volume roads

The course is designed to give laboratory testers an understanding of the SANS test methods used in the most frequently performed tests on concrete. Test methods will be discussed in detail with laboratory demonstrations and an opportunity for hands-on practicals.

SYLLABUS
- Materials of concrete and their properties
- Basics of how concrete works
- Different types of cement
- Testing of fresh concrete
- Testing of hardened concrete
- Determination of concrete mix proportions by the eye-ball method
- Calculations related to the test methods

Administered by SARB on 11 394 9025
SCT 30 5 DAYS
Concrete technology
LAB SESSION INCLUDED
CPD Points - 5
This is an intensive course intended for civil and structural engineers, experienced technicians and technologists and is an excellent medium for gaining detailed knowledge of how cement and concrete works. Recommended for electrical, mechanical and mining engineers to meet their mining qualification requirements.

Minimum entrance requirements
Grade 12 with mathematics and science and at least two years of appropriate experience.

SYLLABUS
• Properties of fresh concrete
• Properties of concrete at early ages
• Properties of hardened concrete
• Cement and cementitious extenders
• Aggregates
• Mixing water and chemical admixtures
• Concrete mix design
• Concrete production
• Transporting
• Placing and compaction
• Protection and curing
• Formwork
• Reinforcement
• Joints
• Defects, blemishes and repairs
• Mix design and mixes for specialised applications
• Sand-cement mixes
• Off-shutter and architectural finishes
• Temperature and concrete

SCT 36 1 DAY
Properties of concrete for the structural designer and constructor
CPD Points - 1
This is a one day course on concrete aimed at engineers who have past experience or training in concrete technology and who would like to refresh their knowledge on important concrete concepts. The course has a bias towards specification requirements for concrete.

SYLLABUS
• Constituent materials of concrete and their roles
• Mix proportions, batching and mixing
• Formwork, placement and compaction
• Concrete temperature, curing and joints
• Compressive strength and acceptance of cube crushing results
• Tensile, bond and shear strength
• Resistance to abrasion
• Cracking in the plastic and hardened state
• Moisture, thermal and chemical expansion and contraction
• Deformation under load
• Specification of concrete

SCT 37 1 DAY
Durability of concrete
CPD Points - 1
This course gives an excellent overview of all the topics that are related to concrete durability. It is ideal for an engineer or concrete technologist or foreman involved in the specification, production or placement of durable concrete.

SYLLABUS
• How cement works to ensure impermeability
• Mechanisms of mechanical deterioration
• Mechanisms of chemical deterioration
• Methods of making concrete impermeable
• Testing of permeability, sorptivity and conductivity
The SCT 41 and 42 are ideal bridging courses for those who would like to do the SCT 50 Advanced Concrete Technology diploma. They will substantially expand on the knowledge gained in the SCT 30 Concrete Technology course. It is recommended that a potential delegate should have completed the SCT 30 Concrete Technology course before attempting these courses. A pass in the SCT 41 and 42 courses is a prerequisite to being accepted onto the SCT 50 Advanced Concrete Technology diploma program.

The two courses offered are:
- SCT 41: General Principles (Part 1) (ICT Stage 2)
- SCT 42: Practical Applications (Part 2) (ICT Stage 3)

The courses are presented in an e-learning format. The aim in studying concrete technology via this on-line course will be to prepare yourself for the Institute of Concrete Technology’s Stage 2 and Stage 3 (General Principles & Practical Application examinations).

The Institute of Concrete Technology (ICT), based in London, UK provides the course objectives and the final examination.

The Concrete Institute (TCI) based in Midrand, South Africa provides you with:
- The on-line course, consisting of 36 on-line lessons covering all the ICT requirements
- Specialist lecturer supervision, guidance and input
- Compulsory workshops are scheduled shortly before the examination
- An examination venue
- A compilation of ICT past years exam papers
- Upon registration and full payment, you will receive a licence key.

Registrations will be accepted until 15 January 2020. Any cancellation for examinations must be done before end of February to avoid being charged registration fee.

The examinations consist of one three-hour paper for each course. Exams are written in Midrand only.

(All queries related to the examination scripts and or examination remarking must be dealt with ICT (London) directly.)

**Minimum entrance requirements**
Grade 12.

Compulsory revision workshops are held in Midrand only in April 2020 prior to the examinations in May.
The course covers some 75 topics falling into the following broad categories:

- Cements
- Additions to concrete
- Admixtures
- Aggregates
- Fresh concrete
- Setting and hardening of concrete
- Properties of hardened concrete
- Durability of concrete
- Concrete construction
- Mix design
- Special concretes
- Ready-mixed concrete
- Special processes and technology for particular types of structures
- Concrete finishes
- Repairing concrete
- Formwork
- Concrete plant
- Precast concrete
- Concrete roads
- Industrial floors
- Principles of reinforced and prestressed concrete
- Test methods and equipment
- Quality concepts
- Quality control
- Statistics
- Standards, specifications and codes of practice
- Assessment of concrete construction
- Sources of information

ACT Diplomas are awarded by the Institute of Concrete Technology, UK, to successful delegates.

Applications
Please submit your registration to the Course organiser for the 2021 course by mid November 2020.

Recommended entrance requirements
An appropriate qualification in civil engineering or any other appropriate branch of science or technology. A pass in SCT 41 and SCT 42 is deemed an appropriate qualification. Without these qualifications, a learners prior knowledge will be assessed by the Education and Training manager before acceptance of registration.

Compulsory attendance requirements
Lectures:  Last two weeks in January
          Last two weeks in February
Workshop:  1 week in June. Please see dates page.

ICT EXAMS STAGE 2, 3 and ACT time: 11h00 - 14h00
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For special on site training, refer to page 3.
REGISTRATION FORM

SCT 10, 12, 13, 15, 20, 21, 30, 36 special & 37 special

The Concrete Institute (School of Concrete Technology)
Tel: +27 (0)11 315 0300
E-mail: eldenem@theconcreteinstitute.org.za
Website: www.theconcreteinstitute.org.za

To register for a course, please complete this form and e-mail to the Course Organiser. You may also download the registration form from our website at http://www.theconcreteinstitute.org.za

I wish to attend the following course: Please tick the appropriate box

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Start date of course ........................................................ Venue ........................................................

It is imperative that all fields are completed. Without completion, we cannot process registrations.

Delegate’s Details

Title & initials  Surname

First Name  ID number
(as per ID book)  (Registration will only be accepted with a copy of Learners ID or ID)

Sex:   M              F Tel no H  

Date of Birth

Tel no W

E-mail ...........................................................................     Cell no

For any special dietary requirements there will be an additional charge:  ...............................................................

........................................................................................................................ (please confirm 72 hours prior to arrival)

Educational Qualifications:

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Tertiary Qualifications..........................................................................................................................

Trade/occupation.................................................................................................................................

Contact details of person responsible for sending you on course

Name  Position in Company

Tel no W

Cell

E-mail ...........................................................................

Signature of  person responsible for sending you on course: ..................................................................

Please complete overleaf
All fees are payable in advance

- Registration is only confirmed on receipt of full payment.
- Customers will be invoiced on request.
- All invoices must be paid within 30 days of receipt.
- Course hours are from 08h00 to 16h00.
- The School reserves the right to postpone, cancel or change the venue of courses should the need arise. Full fees will be refunded on request.

Cancellations

- Cancellations of a confirmed booking five or more business days prior to the course, we will levy cancellation charges of 50% of the course price, subject to any applicable law.
- Cancellations less than five business days prior to the course and non-attendance will result in a charge of 100% of the course price, subject to any applicable law.

Payment

- Electronic transfer or direct deposit into our bank account, must be validated by an emailed copy of the transaction slip clearly identifying the learner(s), course and your company name to ensure that your payment is correctly allocated. Please include the reference number reflected on your quotation.

**IMPORTANT INFORMATION**

**All fees are payable in advance**

- Registration is only confirmed on receipt of full payment.
- Customers will be invoiced on request.
- All invoices must be paid within 30 days of receipt.
- Course hours are from 08h00 to 16h00.
- The School reserves the right to postpone, cancel or change the venue of courses should the need arise. Full fees will be refunded on request.

**Cancellations**

- Cancellations of a confirmed booking five or more business days prior to the course, we will levy cancellation charges of 50% of the course price, subject to any applicable law.
- Cancellations less than five business days prior to the course and non-attendance will result in a charge of 100% of the course price, subject to any applicable law.

**Payment**

- Electronic transfer or direct deposit into our bank account, must be validated by an emailed copy of the transaction slip clearly identifying the learner(s), course and your company name to ensure that your payment is correctly allocated. Please include the reference number reflected on your quotation.

**Banking details:** Standard Bank  
Branch code: 00 11 55  
Account No: 202 493 784  
Branch: Midrand  
Swift code: SBZAZAJJ

I have read and understood the above: SIGNATURE .................................................................

NAME IN BLOCK LETTERS ............................................................................................................

**Safety requirements** Safety shoes and long trousers are compulsory for all laboratory sessions.
REGISTRATION FORM

Concrete technology & construction: e-learning SCT 41 & 42
The Concrete Institute (School of Concrete Technology)
Tel: +27 (0)11 315 0300
E-mail: eldenem@theconcreteinstitute.org.za
Website: www.theconcreteinstitute.org.za • PO Box 168, Halfway House, 1685, Midrand, South Africa

To register for a course, please complete this form and e-mail to the Course Organiser. You may also download the registration form from our website at http://www.theconcreteinstitute.org.za

I wish to attend the following course: Please tick the appropriate box

- SCT 41 General Principles
- SCT 41 Workshop
- SCT 42 Practical Applications
- SCT 42 Workshop
- Re-examination in SCT 41
- Re-examination in SCT 42

(Exams are written in Midrand only)

It is imperative that all fields are completed. Without completion, we cannot process registrations.

Delegate’s Details

Title & initials
Surname
First Name (as per ID book) ID number (Registration will only be accepted with a copy of Learner’s ID or ID)
Sex: M F
Date of Birth
Tel no H
Tel no W

E-mail……………………………………………………………………………………………………… Cell no ……………………………

For any special dietary requirements there will be an additional charge: …………………………………(please confirm 72 hours prior to arrival)

Educational Qualifications: Grade 8 Grade 9 Grade 10 Grade 11 Grade 12 Other

Tertiary Qualifications……………………………………………………………………………………………………………………

Trade/occupation……………………………………………………………………………………………………………………

Contact details of person responsible for sending you on course

Name…………………………………………………………………………………………………………………… Position in Company
Tel no W……………………………………………………………………………………………………………………
Cell…………………………………………………………………………………………………………………… E-mail………………………………………………………………

Signature of person responsible for sending you on course: ……………………………………………………………………. Please complete overleaf
It is imperative that all fields are completed. Without completion, we cannot process registrations.

**Invoicing Details**

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**Company Name**  

**Company Postal Address**  

**Company VAT No.**

**METHOD OF PAYMENT** Payment, or proof thereof must be received prior to the training

| Cash | Bank Deposit | EFT |

**IMPORTANT INFORMATION**

**All fees are payable in advance**

- Registration is only confirmed on receipt of full payment.
- Customers will be invoiced on request.
- All invoices must be paid within 30 days of receipt.
- Exam hours are from 11h00 to 14h00.
- The School reserves the right to postpone, cancel or change the venue of courses should the need arise. Full fees will be refunded on request.

**Cancellations**

- Cancellations of a confirmed booking five or more business days prior to the course, we will levy cancellation charges of 50% of the course price, subject to any applicable law.
- Cancellations less than five business days prior to the course and non-attendance will result in a charge of 100% of the course price, subject to any applicable law.

**Payment**

- Electronic transfer or direct deposit into our bank account, must be validated by an e-mailed copy of the transaction slip clearly identifying the learner(s), course and your company name to ensure that your payment is correctly allocated. Please include the reference number reflected on your quotation.

**Banking details:** Standard Bank  
Branch code: 00 11 55  
Account No: 202 493 784  
Branch: Midrand  
Swift code: SBZAZAJJ

I have read and understood the above: SIGNATURE

**NAME IN BLOCK LETTERS**

**Safety requirements** Safety shoes and long trousers are compulsory for all laboratory sessions.

(All queries related to the examination scripts and or examination remarking must be dealt with ICT (London) directly.)
REGISTRATION FORM

Advanced Concrete Technology 2020 - 2021 ACT 50

The Concrete Institute (School of Concrete Technology)
Tel: +27 (0)11 315 0300  ●  E-mail: eldenem@theconcreteinstitute.org.za
Website: www.theconcreteinstitute.org.za  ●  PO Box 168, Halfway House, 1685, Midrand, South Africa

To register for a course, please complete this form and e-mail to the Course Organiser. You may also download the registration form from our website at http://www.theconcreteinstitute.org.za

I wish to attend the following course: Please tick the appropriate box

- Advanced concrete technology (2019)
- Re-examination (2019)  PART 1  PART 2

(Exams are written in Midrand only)

It is imperative that all fields are completed. Without completion, we cannot process registrations.

Delegate’s Details
Title & initials  Surname
First Name  (as per ID book)  ID number
Sex:  M  F  Tel no H
Date of Birth
Tel no W
E-mail  Cell no

For any special dietary requirements there will be an additional charge: ...............................................................
........................................................................................................................ (please confirm 72 hours prior to arrival)

Highest Qualification achieved
Educational Qualifications: ...............................................................................................................................................
Tertiary Qualifications ........................................................................................................................................................
Trade/occupation .............................................................................................................................................................

Degrees, diplomas, Certificates  awarding body  subjects passed  date
(State level or grade)

Experience
Please provide and attach the following information for each position held: Dates, Position, Level of responsibility, Type and nature of work. (Note: A normal CV is unlikely to provide sufficient detail)
It is imperative that all fields are completed. Without completion, we cannot process registrations.

**Invoicing Details**

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<th>No</th>
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<table>
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<th>Name of Person responsible for payment</th>
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<td>Position in Company</td>
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<td>Tel no W</td>
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</table>

Company Name ..........................................................

Company Postal Address ..........................................................

Company VAT No. ..........................................................

**METHOD OF PAYMENT**  Payment, or proof thereof must be received prior to the training

<table>
<thead>
<tr>
<th>Cash</th>
<th>Bank Deposit</th>
<th>EFT</th>
</tr>
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</table>

**IMPORTANT INFORMATION**

- Registration is only confirmed on receipt of full payment.
- Exam hours are from 11h00 to 14h00.
- Customers will be invoiced on receipt of payment.
- Electronic transfer or direct deposit into our bank account, must be validated by an e-mailed copy of the transaction slip clearly identifying the learner(s), course and your company name to ensure that your payment is correctly allocated. Please include the reference number reflected on your quotation.

**Banking details:** Standard Bank  Branch code: 00 11 55  Account No: 202 493 784
Branch: Midrand  Swift code: SBZAZAJJ

I have read and understood the above:  SIGNATURE ..........................................................

NAME IN BLOCK LETTERS ..........................................................

**Safety requirements**  Safety shoes and long trousers are compulsory for all laboratory sessions.

*(All queries related to the examination scripts and or examination remarking must be dealt with ICT (London) directly.)*
JOHANNESBURG (not to scale)

Waterfall Park, Midrand
Block D, Building 10, Lone Creek, Waterfall Park, Bekker Road, Midrand
Tel +27 (0)11 315-0300
GPS coordinates S 26° 0,724' E 28° 6,983'

THE CONCRETE INSTITUTE
Block D, Lone Creek,
Waterfall Park, Bekker Road,
Midrand
**DURBAN** (not to scale)

**CONTEST** (for lab sessions)

Unit 15, Alexander Park, 24 Alexander Rd, Westmead
Tel +27 (0)31 700-9394

**GPS coordinates**  
S 29° 49.39’ E 30° 50’ 8.73’’

**Directions from Durban**
- Take N3 freeway to Pietermaritzburg.
- Take Richmond Road/Marianhill off-ramp.
- Turn right into Richmond Road. Cross over bridge and pass first two sets of traffic lights. At third set of traffic lights, keep left and follow yeild slipway into Alexander Road. Follow Alexander Road to Alexander Park on the right.

**Directions from Pietermaritzburg**
- Take N3 freeway to Durban. Pass toll plaza and take Marianhill/Richmond Road offramp. At traffic left, turn left into Richmond Road. Pass through first traffic lights, keep left and take left slipway into Alexander Road before next traffic lights. Follow Alexander Road to Alexander Park on the right.
Directions from Cape Town
From Cape Town/Paarl N1: take the N7 north from the N1, stay in left lane and take next off-ramp to the left into Bosmansdam Road. Get into one of the right turn lanes and turn right into Montague Drive at the next traffic lights. Travel north through two sets of traffic lights and turn right into Chain Avenue at the intersection after the second set of lights. PPC is then on your left. There is a large concrete silo on the premises.

NB To access the N7 north from Cape Town you must take the Century City/Sable Road off-ramp which is approximately 1,5 km past the Koeberg Road Interchange. This service road takes you to the N7. There is no direct access to the N7 North from the N1 North.

• From the N2/Airport take the N7/Vanguard Drive exit and turn north on Vanguard Drive. Stay on Vanguard Drive past the casino and through Goodwood. It then changes to the N7 and passes over the N1. Then left into Bosmansdam Road and follow the directions in 1 above.

• From the N7 north, take the Bosmansdam Road off-ramp, turn right over the N7 and follow the directions in 1 above.

• From the Tableview/Parklands area take the R27 (West Coast Road) south. Turn left at Racecourse Road at the Paddocks Centre. Go over Koeberg Road and turn right into Montague Drive. Take the next turn left into Chain Avenue.
Kyriakos (Gary) Theodosiou  
PrEng BSc(Eng) GDE, MICT
Gary graduated from Wits University in 1978 and has 17 years experience in structural concrete, steel and timber design. During this time he worked for Keeve Steyn & Partners (now known as Goba), LSL incorporated (a company that specialises in materials handling), BKS incorporated and Anglo American where he was involved in several major reinforced/prestressed concrete and structural steel structural projects including Soccer City, the Chamber of Mines Engineering Building at Wits University, the Vaal Triangle Technikon, precooling towers and reservoir for Vaal Reefs 10 Shaft, Sadiola Gold Mine in Mali and TR5 Transfer house for the Taiwan Power company. Gary joined C&CI in December 1995. He has worked in the Technical department, the School of Concrete Technology and headed the structural marketing focus department until C&CI closed in April 2013.

John Roxburgh  
BSc (Building Science), MICT
After completing his Building Science degree, John worked for LTA building where he gained extensive experience on various contracts. Before joining TCI, John spent six years as a technical manager in the brick and block manufacturing industry, a job in which he travelled widely through Africa doing technical training. John was awarded his Advanced Concrete Technology diploma in 2013. He has a keen interest in all facets of the concrete industry and is especially passionate about concrete technology education.

Matthews Magwaza  
Lecturer
Matthews Magwaza was introduced to world of cement and concrete when he joined Cement Distributors of South Africa where he remained for seven years. He joined the C&CI in 1996 where he contributed to the training laboratory and presented onsite training. He has the ability to speak five African languages, which assist learners that do not have English as their first language.

LECTURERS
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