

# Mentorship Program for Road & Bridge Construction



The structured Mentorship Program enables candidates to register at ECSA as professional Technicians, Technologist or Engineers working on road and/or bridge construction projects.

## Comprehensive Coverage

Participants will gain essential knowledge and tools to effectively execute their responsibilities on site. This program addresses all aspects of design, construction and supervision related to road and bridge construction in South Africa.

Program overview	Key Features
Essential knowledge about: <ul style="list-style-type: none"> <li>✓ Introduction to plant and materials</li> <li>✓ Construction methods and practical tips</li> <li>✓ Designs, tests and evaluation</li> <li>✓ Quality, supervision and monitoring</li> <li>✓ Measurement and payment of work</li> </ul>	Empower candidates to: <ul style="list-style-type: none"> <li>❖ Plan and manage activities; quality &amp; production</li> <li>❖ Identify, solve, and rectify on-site challenges</li> <li>❖ Many tips, tricks to limit risks and avoid pitfalls</li> <li>❖ Make informed decisions; engineering judgement</li> <li>❖ Pro-active planning - minimizing claims &amp; disputes</li> </ul>

It's all you need to know to fulfil your role on site at a high level. Experience gained through the Program is signed off by a Professional Engineer as required by ECSA for professional registration.

The mentorship program is presented in 4 levels, depending on the position and responsibility on site.

Levels	Certificates	Hours	Projects	Position on site
Level 1	Profile Evidence	1200	1	Student, Clerk of Works
Level 2	Competent	2400	2	Material Technician, Supervisor, Foreman
Level 3	Advance	3600	3	Ass RE, SMT, Ass Site Agent, Technologist
Level 4	Master	4800	4	Resident Engineer, Project Manager, Site Agent

Small certificates for each level will be issued for completing for each module. Big certificate will be issued for completing the minimum hours required for each level.

Part 1 Theory	Part 2 Practical
Reading the relevant road construction manuals: Sabita, SAPEM, Colto, GCC and TRH. Answer multi-choice tests online.	Assignments and practical tasks to be performed tailor made for site conditions to ensure duties are performed to an acceptable high standard.

The Mentorship Program consist of 21 courses that can be done at any pace depending on site conditions. Some assignments to be repeated on several projects to gain deeper knowledge and valuable experience.

Website: <a href="http://www.skillstransfersa.co.za">www.skillstransfersa.co.za</a> Email: <a href="mailto:info@skillstransa.co.za">info@skillstransa.co.za</a>	Contact person: Jan Bierman Pr. Eng (civil) Cell phone: +27 73 696 0788
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## Mini Certificates

Mini Certificates for each course (total 21 courses) are obtained by successful completion of all fundamental tests, assignments and practicals plus the required elective tasks.



## Major Certificates

Major Certificates are obtained when 20 road construction modules/courses are completed. For level 2 to level 4, fundamental tasks need to be repeated on other projects. Each project have different materials, team dynamic and environment. e.g. Level 4 assignment to investigate asphalt failure need to be submitted on 4 projects. The answer for each project will be different.

Requirements for Major Certificates:

Levels	Major Certificate	Projects	Hours
Level 1	Profile of Evidence	1	1 200
Level 2	Competency Certificate	2	2 400
Level 3	Advance Certificate	3	3 600
Level 4	Master certificate	4	4 800

