

CECA New Entrant Programme - Practical Skills Week

The programme is aimed at apprentices, graduates and technicians and will give them an appreciation of common Civil Engineering activities in a controlled environment, thus enabling them to work more safely and effectively on sites.

Day	Time	Subject
Monday	0900-1230 1230-1330 1330-1700	<p>Introduction to NCC East. Aims and Objectives.</p> <p>Project overview.</p> <p>Steelfixing: Introduction to Steel-fixing drawings and schedules. Both basic and more complex drawings and schedules will be looked at and explained coupled together with shape codes, complying with BS8666.</p> <p>Lunch</p> <p>A tying demonstration showing good and bad practice and the delegates will be able to have a practical experience of both tying and to prefabricate a ground beam from a reinforcement drawing, making sure to carry out a pre-pour inspection on a reinforced steel structure and to produce a pre-pour inspection report.</p>
Tuesday	0815-1230 1230-1330 1330-1700	<p>Formwork: Understanding formwork, components and terminology, requirements of formwork, failures associated with formwork. Practical exercise-ground beam including boxing out for sleeve. Practical exercise-assembles proprietary formwork system. Assemble ground beam formwork in preparation for concrete.</p> <p>Pre-pour inspection of ground-beam.</p> <p>Lunch</p> <p>Concrete: practical exercise-place concrete in ground beam, place dowels and holding down bolts. Achieve correct compaction and curing.</p> <p>Concrete technology:</p>
Wednesday	0815-1230 1230-1330 1330-1700	<p>Plant appreciation: plant introduction, what types of machines and roles they play in the construction industry. Simulator training on various machines that are typical in civils projects and our industry. Walk around machine, going through pre-start and wet checks card accreditation and spatial awareness from an operator's perspective.</p> <p>Lunch</p> <p>Introduction to Working at Height: Afternoon looking at legislation, guidance and H&S requirements. Learners are able to erect and dismantle aluminium towers in a safe environment.</p>
Thursday	0815-0915 0915-1230 1230-1330 1330-1700	<p>Strip formwork, curing and post inspection.</p> <p>Drainage: Introduction into the general principles of drainage. Including chambers, manholes. Practical exercise - laying and testing of drainage boning with travellers and laying with the use of drainage lasers. Emphasis on larger diameter drainage.</p> <p>Lunch</p> <p>Cont.....</p> <p>Water testing, cutting pipe to suit. Lay drainage through box-out. Conduct drain test.</p>
Friday	0815-1200 1230-1300	<p>Excavation Support: Reasons why we need to support, legislation requirements, soil, water and surcharge. Safe systems of work, good and bad practice. Delivered in classroom and NCC's live excavation practical training area. Including timber frame, GRP and trench sheet driving.</p> <p>Course Review: Review of aims & Objectives and Feedback. Departure Lunch - optional</p>