Overview
The Erosion and Sediment Control Level 2 course will provide participants with the knowledge and skills to assess, identify and comply with requirements related to managing Erosion and Sediment Control (ESC) on their worksites.

The content of this course is based on the “Best Practice Erosion and Sediment Control” (IECA, 2008) and will provide practical instruction on current best practice requirements, compliance requirements along with an appreciation of how to manage the risk to both the environment and the project.

Learning outcomes
Participants will gain:
✓ an awareness of the impacts of poor onsite ESC management on the receiving environment
✓ an understanding of relevant legislation and requirements
✓ knowledge of problem soils and management techniques
✓ an awareness of current best practice for managing ESC and the associated limitations
✓ an appreciation of the effectiveness different erosion and sediment control techniques
✓ an understanding of construction and maintenance requirements for control measures
✓ knowledge of sediment basin design and operation
✓ an understanding of how to

achieving successful revegetation on all sites
✓ an awareness of water quality monitoring (turbidity, TSS, pH)
✓ knowledge of inspection and auditing requirements

Who should attend
This course has been specifically designed for workers responsible for delivering civil infrastructure projects.

Typical attendees include:
✓ Engineers
✓ Project Managers
✓ Supervisors
✓ Inspectors

Content
Introduction
✓ Erosion risks and soils
✓ Overview of relevant legislation
✓ Forms of erosion and erosion drivers
✓ Erosion risk assessment (RUSLE)
✓ Key soil properties, sodic & dispersive soils
✓ Soils as a growing media

Sediment control
✓ Role of sediment control measures and compliance requirements
✓ Review of sediment control measures - performance and limitations
✓ Basic construction and maintenance requirements for sediment controls
✓ Overview of sediment basin design standards, operation, treatment and maintenance
✓ Emerging treatment technology

Drainage control
✓ Design and construction standards for temporary drains and diversions
✓ Use of clean and dirty water diversion drains to manage runoff and control erosion generation
✓ Comparison of drain lining options and rock check dams
✓ Works within a waterway and temporary crossings

Erosion and Revegetation
✓ Using erosion control techniques to manage soil stockpiles, stabilised site access, temporary work areas and to achieve final site stabilisation
✓ Comparison of various erosion control products performance, suitability for nominated works and installation and maintenance requirements

Delivery (1 day)
This course is delivered in partnership with Terry Clark of the Topo Group. Terry has trained over 1,000 public works personnel within QLD, NSW and NT. Terry holds the internationally recognised accreditation ‘Certified Professional in Erosion and Sediment Control’ (CPESC) and has many years of experience in planning, implementing and managing ESC aspects on a wide variety of public works projects.

Register online at www.ipweaq.com/courses or contact
Phone 07 3632 6800
info@ipweaq.com