

## Back to Basics. Studying isn't just for students.

In today's construction landscape, change is the only constant. Technology rapidly advances, as do the rules. Keep yourself updated on the latest software and skills through AcePLP's professional training programme. Our project-based training focuses on hands-on skills, providing you with a conducive environment for learning and practicing.

AcePLP is a total engineering solutions provider, enhancing the engineering workflow of the architectural, engineering and construction industries for over 15 years. Every single team member of AcePLP undergoes rigorous training to ensure quality standard of service is provided to all our clients. We partner global software developers to acquire expertise across software platforms and we believe in sharing this knowledge with our industry partners.

Programme Outline	Duration (up to an aggregate of)	Recommended for:
<p><b>AutoCAD 2D &amp; 3D</b></p> <p>A step-by-step introduction to AutoCAD interface and drawing management. Learn to use the fundamental functions of the software through basic exercises.</p>	<p>6 days (36 hours)</p>	<p>Site/project engineers</p> <p>CAD engineers/designers/ draftsmen/ BIM modellers</p> <p>Project planners</p> <p>Site/project coordinators</p> <p>Students (Engineering/ Architecture)</p>
<p><b>AutoCAD 2D &amp; 3D Guided Tutorial **</b></p> <p>This is a practicum session conducted in a workshop style setting. Under the supervision of the trainer, learners may work on class, work, or client assignments.</p>	<p>6 days (46 hours)</p>	
<p><b>AutoCAD Hands-On</b></p> <p>Get familiarised with drawings from various disciplines. Be trained in a specialized area that is focused on your engineering discipline, and learn the specific technical terms and drawing standards.</p>	<p>1 day (8 hours)</p>	
<p><b>Microstation 2D &amp; 3D</b></p> <p>A step-by-step introduction to Microstation interface and drawing management. Learn to use the fundamental functions of the software through basic exercises.</p>	<p>6 days (36 hours)</p>	
<p><b>Microstation 2D &amp; 3D Guided Tutorial **</b></p> <p>This is a practicum session conducted in a workshop style setting. Under the supervision of the trainer, learners may work on class, work, or client assignments.</p>	<p>6 days (46 hours)</p>	
<p><b>Tips and Tricks - AutoCAD &amp; Microstation</b></p> <p>Learn the shortcuts and functions commonly used by CAD professionals using Microstation and AutoCAD. Understand the general expectations on-site and be flexible with handling different versions of software. In addition, you will be taught to handle basic coordination work on-site.</p>	<p>4 lessons (12 hours)</p>	

Programme Outline	Duration (up to an aggregate of)	Recommended for:
<p><b>Combined Services Drawing/ Structural, Electrical &amp; Mechanical (CSD/ SEM) Coordination in AutoCAD</b></p> <p>Learn how to conduct service coordination to avoid clashes with individual services in a building structure with the AutoCAD platform. This course is primarily lecture-based.</p>	<p>1 Lesson (4 hours)</p>	
<p><b>Combined Services Drawing/ Structural, Electrical &amp; Mechanical (CSD/ SEM) Coordination in Microstation</b></p> <p>Learn how to conduct service coordination to avoid clashes with individual services in a building structure with the Microstation platform. This course is assignment-based and suits learners that prefer application-based learning.</p>	<p>9 days (21 hours)</p>	<p>Site/project engineers CAD engineers/draftsmen Site/project coordinator Students (Engineering/ Architecture)</p>
<p><b>CAD Orientation in Microstation</b></p> <p>Learn an integrated set of productivity tools, discipline of project CAD standards in relation to real world infrastructure projects.</p>	<p>5 Lessons (10 hours)</p>	
<p><b>Revit Architecture</b></p> <p>This is a hands-on session conducted in a workshop-style setting. Learn the fundamental features of the software, designing projects and project rendering.</p>	<p>3 days (24 hours)</p>	
<p><b>Project-based Revit Structure &amp; MEP</b></p> <p>Learn the fundamentals of creating the structural and Mechanical, Electrical &amp; Piping (MEP) models. The course will also cover extraction of useful drawings and reports for submission and analysis.</p>	<p>4 days (32 hours)</p>	<p>Engineers/Architects/ Draftsmen CAD/project Manager Project planner AEC Consultants</p>
<p><b>Building Information Modelling with AECOsim</b></p> <p>Be introduced to the tools for parametric building design and documentation using Bentley new release for BIM modelling, AECOsim, which builds on Microstation as a platform product. Learn through tutorials to apply the tools to a project database.</p>	<p>To Be Advised</p>	<p>Students (Engineering/ Architecture)</p>

Examinations and Certifications	Duration
<b>Autodesk AutoCAD Professional Examination (2013)</b>	2 hours
<b>Autodesk Revit Architecture Professional Examination (2013)</b>	2 hours
<b>AcePLP-certified Microstation Associate Examination</b>	60 Minutes
<b>AcePLP-certified AECOsim Professional Examination</b>	To Be Advised
<b>AcePLP-certified AECOsim Professional Examination</b>	To Be Advised

Notes:

- As CAD is a hands-on skill, learners need to practice to attain higher efficiency and quality in their work. 5 days (40 hours) is recommended for optimal learning, but corporate and public clients of AcePLP may choose the number of days as they prefer and pay by the daily rate.
- For our corporate clients, training course customization is available. Please contact our training department at +65 6455 9938 or e-mail [training@aceplp.com.sg](mailto:training@aceplp.com.sg) for a curriculum discussion.