

## Advanced Diploma in Civil Engineering

Key items	Course																																																
<b>Course Title:</b>	<b>Advanced Diploma in Civil Engineering</b>																																																
<b>Course Overview:</b>	<p>Advanced Diploma in Civil Engineering is a top-up programme for those who have successfully completed the 'Diploma in Civil Engineering' course. This programme's aim is to educate students with key skills required for analysing, solving technical problems, and effective decision making.</p> <p>At this level, the student have hands-on practical and industrial visits to know how the technology applies to civil engineering works, site surveying, engineering geology and structural works. Today's employers demand for engineers to increase productivity, manage projects, and effectively execute the design. To meet the requirements, it is essential to study core subjects such as project management, employability skills, advance technology and team work. This programme is targeted at students who wish to take up a professional career as an engineer with a passion for structural building.</p> <p>The programme covers a range of topics such as Project Management, analytical methods, Structural Design and Analysis, Advanced Construction Technology and other relevant modules.</p>																																																
<b>Course Structure:</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No</th> <th style="text-align: center;">Module Code</th> <th style="text-align: center;">Module Title</th> <th style="text-align: center;">Contact Hours (Inclusive of 3 hours examination)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">AMCE</td> <td style="text-align: center;">ANALYTICAL METHODS FOR CIVIL ENGINEERS</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">CT</td> <td style="text-align: center;">CONSTRUCTION TECHNOLOGY</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">ASDA</td> <td style="text-align: center;">STRUCTURAL DESIGN AND ANALYSIS</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">APM</td> <td style="text-align: center;">PROJECT MANAGEMENT</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">CEPW</td> <td style="text-align: center;">CIVIL ENGINEERING PRACTICE AND WORKS</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">CM</td> <td style="text-align: center;">CONSTRUCTION MANAGEMENT</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">HSE</td> <td style="text-align: center;">HEALTH, SAFETY AND ENVIRONMENT</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;">CM</td> <td style="text-align: center;">CONSTRUCTION MATERIALS</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">PC</td> <td style="text-align: center;">PROCUREMENTS &amp; CONTRACTS</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">APDC</td> <td style="text-align: center;">EMPLOYABILITY &amp; PROFESSIONAL DEVELOPMENT SKILLS</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">PT</td> <td style="text-align: center;">PROJECT</td> <td style="text-align: center;">60</td> </tr> </tbody> </table>	No	Module Code	Module Title	Contact Hours (Inclusive of 3 hours examination)	1	AMCE	ANALYTICAL METHODS FOR CIVIL ENGINEERS	24	2	CT	CONSTRUCTION TECHNOLOGY	24	3	ASDA	STRUCTURAL DESIGN AND ANALYSIS	24	4	APM	PROJECT MANAGEMENT	24	5	CEPW	CIVIL ENGINEERING PRACTICE AND WORKS	24	6	CM	CONSTRUCTION MANAGEMENT	24	7	HSE	HEALTH, SAFETY AND ENVIRONMENT	24	8	CM	CONSTRUCTION MATERIALS	24	9	PC	PROCUREMENTS & CONTRACTS	24	10	APDC	EMPLOYABILITY & PROFESSIONAL DEVELOPMENT SKILLS	24	11	PT	PROJECT	60
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<b>Course Duration:</b>	1. Full-time: 12 months Total Contact hours: 300 (No breaks between exams and modules) Week Schedule: 2 days per week (3 hrs per day)																																																

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	2. Part-time: 12 months Total Contact hours: 180 (No breaks between exams and modules) Weekend: 1 Sunday (8 hrs class) Week Schedule: 1 day per week ( 8 hrs per day)
<b>Course Fees:</b>	\$3200
<b>Mode of Instruction:</b>	Classroom-facilitated learning
<b>Mode of Delivery:</b>	Part-Time
<b>Mode of Assessment:</b>	100% Written Examinations
<b>Attendance Requirement:</b>	A 75% minimum attendance is required for student.
<b>Passing Criteria:</b>	A 50% passing rate all for assessment components is required for the student.
<b>Qualification:</b>	Having duly completed the approved course of study and passed the prescribed examinations, students will be awarded 'Advanced Diploma in Facilities Management' issued by Avanta Academy.
<b>Entry Qualification:</b>	<ul style="list-style-type: none"> <li>• Diploma in Civil Engineering (awarded by Avanta Academy) or other recognised Diploma from other institutions or</li> <li>• Minimum Grade E in any 3 GCE 'A' Level, including English and 2 Science subjects or equivalent; or</li> <li>• Minimum C6 in any 3 GCE 'O' Level, including English and 2 Science subjects (Grade C6 and above) with 3 years' working experience in the engineering field; or</li> <li>• Working Experience: Matured candidate with other relevant certificate qualification with 5 years' work experience.</li> </ul>
<b>Average Teacher to Student Ratio:</b>	1:20
<b>Lecturers &amp; Teaching Modules:</b>	<i>Refer to Lecturers' Profile Excel Sheet</i>