

## Advanced Diploma in Building Services Engineering (Air Conditioning and Mechanical Ventilation)

Key items	Course																												
<b>Course Title:</b>	<b>Advanced Diploma in Building Services Engineering (Air Conditioning and Mechanical Ventilation)</b>																												
<b>Course Overview:</b>	<p>This programme will highlight and emphasis to the student to understand the Building services engineering that endeavours to accomplish a sustainable and comfortable indoor environment whilst minimizing the environmental impact of a building.</p> <p>The course will be focussing on design, installation, procedure of the different services in buildings i.e. mechanical, electrical and public health systems, ICT (information and communications technology) and others in order to ensure the safe, comfortable and environmentally friendly operation in the building.</p>																												
<b>Course Structure:</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No</th> <th style="width: 15%;">Module Code</th> <th style="width: 55%;">Module Title</th> <th style="width: 25%;">Contact Hours (Inclusive of 3 hrs examination)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td>BUILDING SERVICES AND DESIGN</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td>ENGINEERING DESIGN AND CAD</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> <td>ELECTRIC POWER SYSTEMS</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">4</td> <td></td> <td>BUILDING MANAGEMENT SYSTEM</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">5</td> <td></td> <td>THERMO AND FLUID DYNAMICS</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">6</td> <td></td> <td>ELECTRICAL MACHINES</td> <td style="text-align: center;">30</td> </tr> </tbody> </table>	No	Module Code	Module Title	Contact Hours (Inclusive of 3 hrs examination)	1		BUILDING SERVICES AND DESIGN	30	2		ENGINEERING DESIGN AND CAD	30	3		ELECTRIC POWER SYSTEMS	30	4		BUILDING MANAGEMENT SYSTEM	30	5		THERMO AND FLUID DYNAMICS	30	6		ELECTRICAL MACHINES	30
No	Module Code	Module Title	Contact Hours (Inclusive of 3 hrs examination)																										
1		BUILDING SERVICES AND DESIGN	30																										
2		ENGINEERING DESIGN AND CAD	30																										
3		ELECTRIC POWER SYSTEMS	30																										
4		BUILDING MANAGEMENT SYSTEM	30																										
5		THERMO AND FLUID DYNAMICS	30																										
6		ELECTRICAL MACHINES	30																										
<b>Course Duration:</b>	<p>1. Full-time: 7 months            Total Contact hours: 180 (No breaks between exams and modules)            Week Schedule: 5 days per week (3 hrs per day)</p> <p>2. Part-time: 7 months            Total Contact hours: 180 (No breaks between exams and modules)            Weekend: 1 Sunday (8 hrs class)            Week Schedule: 2 days per week (4hrs per day)</p>																												
<b>Course Fees:</b>	\$2400 + 9% GST (incl. of non-refundable \$150 course application fee)																												
<b>Skillsfuture Credit</b>	Applicable for Singapore citizens over 25 years old																												
<b>Mode of Instruction:</b>	Classroom-facilitated learning																												
<b>Mode of Delivery:</b>	Part-Time																												
<b>Mode of Assessment:</b>	100% Written Examinations																												

CPE Reg. No: 201229599Z

Period of Reg: 21/12/2020 - 20/12/2024

Key items	Course
<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 Building Services Engineering (Air Conditioning and Mechanical Ventilation)' issued by Avanta Academy.
<b>Entry Qualification:</b>	<ul style="list-style-type: none"> <li>• Any Engineering Diploma awarded by Avanta Academy or other recognised Engineering Diploma from other institutions; or</li> <li>• A minimum Grade E in any 3 GCE 'A' Levels, including English and 2 Science subjects or equivalent; or</li> <li>• Matured candidate with other relevant qualifications with 5 years of work experience.</li> </ul>
<b>Average Teacher to Student Ratio:</b>	1:30
<b>Lecturers &amp; Teaching Modules:</b>	<i>Refer to Lecturers' Profile Excel Sheet</i>