

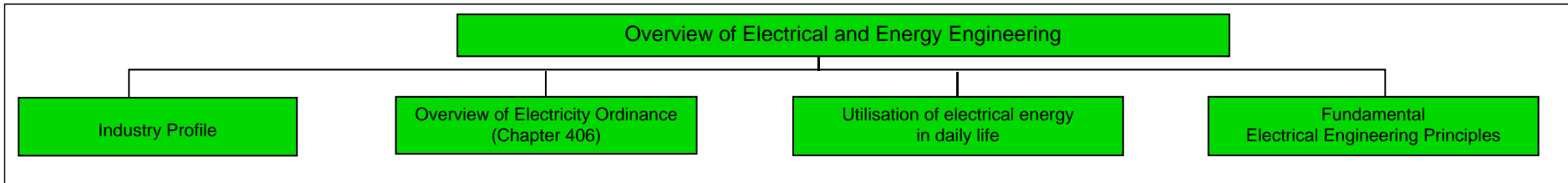
Applied Learning (Senior Secondary Level)

2016-18 Cohort

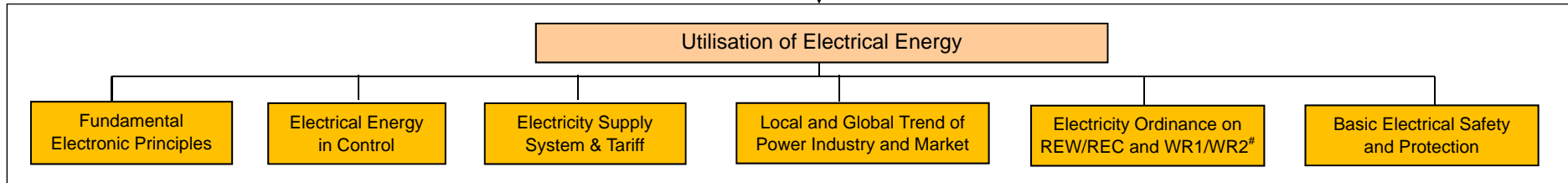
Item	Description
1. Subject Title	Electrical and Energy Engineering
2. Course Provider	Vocational Training Council
3. Area of Studies/ Course Cluster	Engineering and Production/ Civil, Electrical and Mechanical Engineering
4. Medium of Instruction	Chinese or English
5. Learning Outcomes	<p>Upon completion of the subject, students should be able to:</p> <ul style="list-style-type: none"> (1) analyse the general profile of the electrical and energy engineering industry, and its latest development; (2) apply the basic principles and techniques of electrical engineering, in particular the knowledge of energy efficiency enhancement to formulate engineering solutions; (3) conduct the implementation project with consideration to work ethics and responsibilities, safety as well as sustainable development, integrating knowledge and skills in electrical and energy engineering industry, communication and problem-solving skills; (4) appreciate the latest development and achievements in engineering in related fields; (5) demonstrate an understanding of the work ethics and demonstrate positive values and attitudes in the electrical and energy engineering industry; and (6) develop self-understanding for further studies and career development in the related field.

6. Curriculum Map – Organisation and Structure

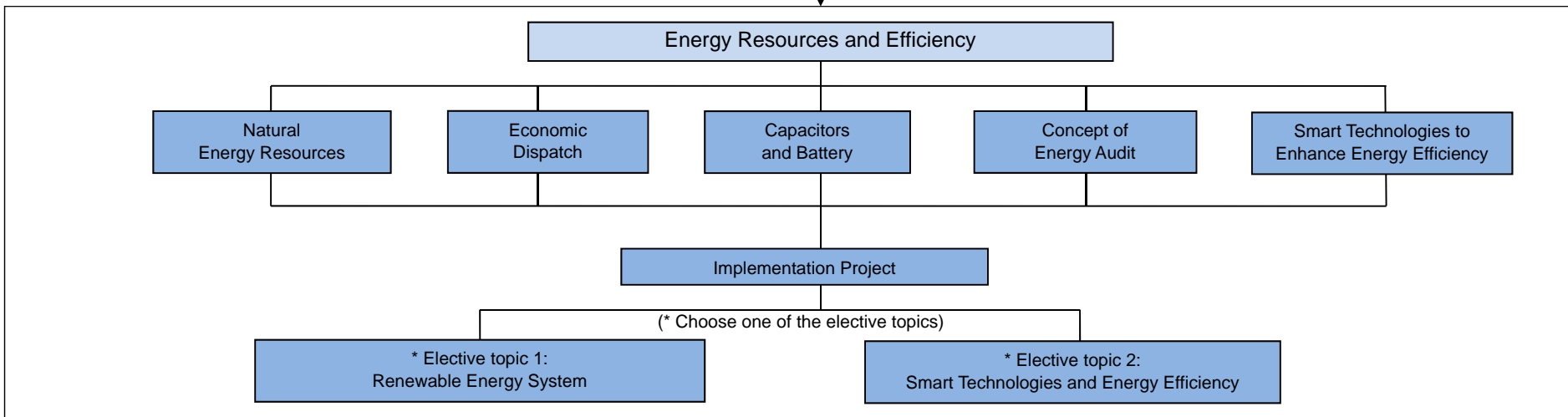
Module 1: Overview of Electrical and Energy Engineering (36 hours)



Module 2: Utilisation of Electrical Energy (69 hours)



Module 3: Energy Resources and Efficiency (75 hours)



Registered Electrical Worker (REW)/Registered Electrical Contractor (REC) and Work Completion Certificate (WR1)/Periodic Test Certificate (WR2)

7. The Context

- The information on possible study and career pathways is provided to enhance students' understanding of the wider context of the specific Applied Learning course. Students who have successfully completed Applied Learning courses have to meet other entry requirements as specified by the institutions.
- The recognition of Applied Learning courses for admission to further studies and career opportunities is at the discretion of relevant institutions. The Education Bureau and the course providers of Applied Learning are exploring and seeking recognition related to further education and career development opportunities for students successfully completing the Applied Learning courses.

