

Training Program

In addition to individual institutional training programme, ReNU will provide cohort training. The training programme consists three parts: core modules, optional modules and flexible modules. The general structure of the ReNU training programme is illustrated in figure 1 below. **Note that this is provisional and subject to change.**

The first year of the CDT training programme aims to provide you with fundamental knowledge of renewable and sustainable energy technologies (C2). This includes the physical principles behind batteries, fuel cells, solar cells and many other devices and materials found at the cutting-edge of energy research. Importantly, the energy sector extends well beyond a single technology and the factors which determine the success or failure of a clean energy technology include policy, economics and society. Some of these factors are considered in C4 which sets the context for innovation in the energy sector.

In addition to developing knowledge, the first year focuses on developing key skills for research relating to analysis, communication and responsible research and innovation (C3). The combination of this training with optional training modules and the flagship CDT Week will provide a solid background for success in the following years. Note also that equality, diversity and inclusivity is an important theme within ReNU and all students and academic staff will received training in this area.

The second year includes further training in whole energy systems and you will have the opportunity through an extended mini-project (C5) to consider your individual research in a broader context. The second year allow allows you to develop key skills in innovation (C6) and business (C7a) with specialists in this area. It is also the intention that every ReNU student will have an international experience (C8) and presently, this includes a visit to the Institute for Clean and Renewable Energy in Wuhan, China.

In the third year of your training, there is increased emphasis on your individual research project as you become the expert this area. This is mixed with another extended group mini-project aimed at tackling an industrial R&D challenge (C9). You will also complete the second part of a mini-MBA business training (C7b) during this year.

The fourth year of your project is focused on finishing your thesis (including writing up) and consolidating all your training such that you are ready for employment after your PhD.

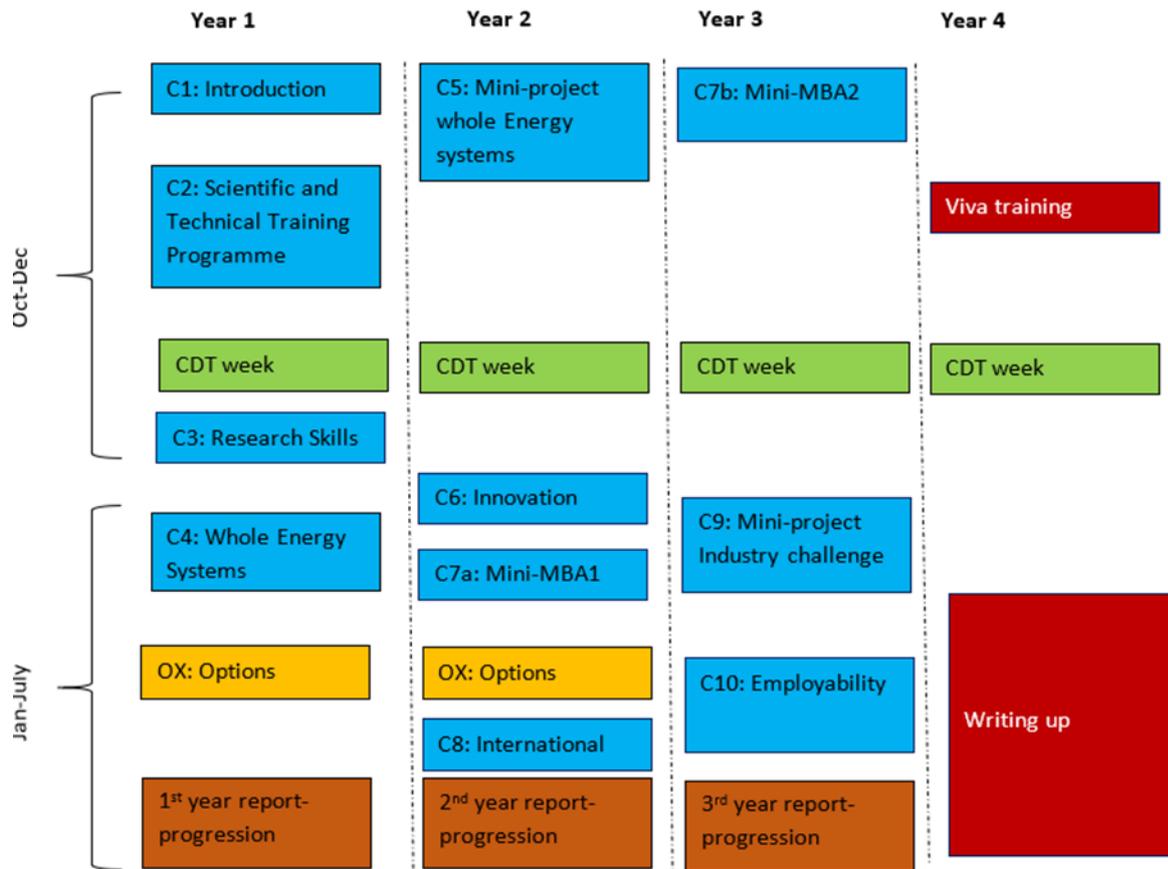


Figure 1: General Structure of the ReNU CDT training programme