

Presentation pattern: *April to September*

October to March

Module description

TM112 is the second compulsory entry level module for most Computing and IT qualifications. Those students on the Digital and Technical Solutions Degree Apprenticeship programme will have a different pattern of study. The module builds on the key concepts introduced in TM111, with an additional focus on programming with Python. It will also cover Information Technologies (e.g. cloud, wireless and mobile) and their use from a variety of perspectives (social, ethical, commercial and legal). TM112 furthers students' relevant knowledge and understanding and has a particular focus on developing students' problem-solving skills. Students will study with printed books and carry out online activities as well as onscreen programming work. Tutors will support students through a mix of F2F and online tutorials

Person specification

The person specification for this module should be read in conjunction with the [generic person specification](#) for an associate lecturer at The Open University.

As well as meeting all the requirements set out in the generic person specification, your application should provide evidence that you meet the requirements listed below. You will be required to demonstrate some of these abilities at interview, if shortlisted.

Your application should provide evidence that you are:

- able to teach programming
- able to develop students' broad problem-solving skills including algorithmic thinking
- familiar with an imperative programming language and able to learn Python
- a confident computer user with a background in their use for work, education or social purposes
- knowledgeable about current computer and communication technologies and have an active interest in developments associated with Computing and IT
- able to teach the underlying concepts and technical principles of data storage, cloud, mobile networks, computer hardware, security, and their legal, social and ethical implications.
- able to develop students' skills in written communication, numeracy, digital and information literacy and use of the English language
- enthusiastic and experienced in both online and face-to-face teaching, i.e.:
 - facilitating asynchronous forum based activities and moderating an online tutor-group forum
 - delivering online tutorials, and face-to-face tutorials and day schools
- willing to actively participate in an online community of teachers and learners
- prepared to use and develop skills as a teacher, using new and evolving technologies to support student learning
- interested in using your knowledge and skills to address the faculty's retention and progression agenda

Additional information

Please note that the module follows a 21 week presentation pattern.

Module related details - a full explanation can be found on the website

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| Credits awarded to the student for the successful completion of a module: | 30 |
| Number of assignments submitted by the student: | 3 |
| Method of submission for assignments: | 2 |
| Level of ICT requirements: | 2 |
| Number of students likely to be in a standard group: | 20 |
| Salary band: | 4 |
| Estimated number of hours per teaching week: | 6 |