Employment Ticket for MSc in Computer Science (approved 13 Feb 2020)

The technologies in IT—computers, operating systems, programming languages, algorithms—continuously evolve. The CS educations of the ITU evolve with the field, e.g., the statement “being able to program” today encompasses an understanding and application of IT security tenets. To keep the employment tickets brief, we implicitly understand them in this contemporary sense.

• All Computer Science graduates
  – have the basic skills from a BSc in Computer Science;
  – know most programming paradigms;
  – are able to quickly learn new programming languages;
  – know advanced aspects of programming;
  – know advanced techniques for designing algorithms;
  – know advanced aspects of concurrent and parallel programming;
  – know the basic principles of software security.

• All Computer Science graduates are specialised in a particular area and each specialisation area has relevant employment tickets for some areas.