

## ECCC SYLLABUS

MODULE: **IT M5 MULTIMEDIA**

LEVEL: **ADVANCED (C)**

This module exam includes all competences from the intermediate level (B), extended with competences listed below.

COMPETENCE GROUP	COMPETENCE WITHIN ECCC STANDARDS
1. Transferring multimedia data from digital devices	1.1. Discussion of digital interfaces (IrDA, Bluetooth), transferring and saving data from digital devices (mobile phone).
2. Computer graphics	RASTER GRAPHICS: 2.1. Digital painting. 2.2. Advanced picture edition: built-in graphic effects, histogram, lights, shades and half-shades. VECTOR GRAPHICS: 2.3. Advanced techniques of transforming objects: editing the Bezier's curve, creating complex shapes. 2.4. Special effects.
3. Digital sound editing	3.1. Minimizing background noise in an audio recording. 3.2. Unified multi-track editing (data in different formats and of different bitrate). 3.3. Single – and multi-channel sound. 3.4. Music editing.
4. Film	4.1. Dubbing. 4.2. Editing particular clips – changing attributes. 4.3. Different techniques of edition: parallel, accelerated, event, associations, cause-and-effect edition. 4.4. Adding subtitles to particular scenes (clips). 4.5. Adjusting the film to the purposes of publication in the Internet and uploading it to a film website.
5. Computer animation	5.1. Creating a movement path of an animated object. 5.2. Combining several independent symbols into one moving object. 5.3. Adding sound to the animation. 5.4. Adjusting animation to the purposes of on-line publication.

Preferred software for completing tasks for level C:

- graphics: Corel Paint Shop Pro, Inkscape, GIMP, Adobe Photoshop
- sound: Audacity
- film: Windows Movie Maker, Adobe Premiere, VirtualDub, drivers + digital video camera software, K-Lite Codec Pack
- animation: Adobe Flash

Required equipment:

- digital camera (for the exam)
- scanner (for the exam)
- microphone + headphones
- digital video camera