

---

## Microsoft Excel– Advanced VBA programming

**Description:** The course is aimed at familiarising participants with the possibilities of using the VB language in Microsoft Excel. It teaches to use Microsoft Excel object model, features, methods and principles of programming.

**Duration:** 16 hours

**Initial requirements:** The participants of the training should be well accustomed with the Microsoft Excel program and know the syntax of the Visual Basic language. The training is based on fundamental information included in the first part of the training or an analogical knowledge level.

**For whom:** The training is dedicated for all those who wish to automate work and built applications in the Microsoft Excel environment, in particular those responsible for processing and analysis of large data collections.

### Module: Programming Microsoft Excel (VBAEX02)

- 1) Familiarization with hierarchy of Excel objects**
  - a. Object variables
  - b. Using object collection
- 2) Features, methods, events**
  - c. Application objects
  - d. Notebook object
  - e. Sheet object
  - f. Cell object
  - g. Active object
  - h. Continuous area
  - i. Marking
- 3) Working with objects**
  - a. Use cases of objects in programming applications
  - b. Programming charts

### Module: Dialog windows, programming events (VBAEX03)

- 1) Discussion on available controls**
  - a. Calendar controls, use, software
- 2) Event programming**
- 3) Linking formulas with sheet data**
- 4) Functions of controlling correctness of data entered**