Software II - Advanced C# renews object-oriented programming expertise and builds database and file server application development skills. You will learn about and put into action lambda expressions, collections, and input/output to develop software with C# that meets business requirements. This course requires intermediate expertise in object-oriented programming and the C# language. The prerequisite for this course is Software I - C#.

Competencies

- **Database and File Server Applications**
  The graduate produces database and file server applications using advanced constructs in a high-level programming language to meet business requirements.

- **Lambda**
  The graduate incorporates lambda expressions in application development to meet business requirements more efficiently.

- **Collections**
  The graduate incorporates nongeneric collections and generic collections in application development to manipulate data more efficiently.

- **Localization and Globalization**
  The graduate applies application programming interfaces (APIs) in application development to support end users in various geographic regions.

- **Advanced Exception Control**
  The graduate incorporates advanced exception control mechanisms in application development for improving user experience and application stability.

Learning

**Getting Started**
Welcome to Software II - C#! Your competence in this course is assessed through one performance assessment which consists of an original scheduling program you will develop in Visual Studio. You will complete your learning in the uCertify platform. This includes readings, videos, and interactive activities. Use uCertify’s Study Planner to pace your progress through the learning materials within 10 weeks, then focus on finishing your performance assessment.