

1. Title of the certificate – Yrkeshögskoleexamen ¹

.NET-utvecklare

2. Translated title of the certificate – Higher Vocational Education Diploma ²

.NET Developer

3. Knowledge, skills and competence profile

The holder of the certificate has:

- Specialist knowledge of theoretical and practical object-oriented programming in C#.
- Specialist knowledge of the theoretical and practical frameworks .NET and .NET Core and their components such as LINQ.
- Knowledge of work processes and quality criteria in theoretical and practical development using agile methods and concepts such as Scrum, Kanban and CI/CD.
- Specialist knowledge and overview of related professional and competence areas such as web development and frontend.
- Knowledge of databases and database management, both relational and non-relational databases.
- Knowledge of the Visual Studio development environment.
- Knowledge of application programming interfaces (APIs) and Web APIs.
- Skills in planning, performing and identifying resources to perform specialist tasks in work on C# programming.
- Skills in solving compound problems with object-oriented programming in C#.
- Skills in communicating undertakings and solutions in programming in C# in at least one foreign language.
- Skills in developing software in the form of Microservices (loosely coupled modules/components).
- Skills in creating, maintaining, and developing web APIs in C#.
- Skills in working in groups according to agile methods such as Scrum and Kanban.
- Competence to independently plan, execute and identify resources to create or further develop a technical solution in C# that leads to learning and professional development.
- Competence to monitor work on development in C# and complete assigned projects in the professional role of IT programmer C#.
- Competence to work in teams according to an agile development process and to apply an agile approach.
- Competence to work with a larger code base in teams by using version handling.
- Competence to apply processes and principles from TDD/BDD in the development work in teams.
- Competence to independently build, develop and troubleshoot software in C# based on an employer's needs.

4. Range of occupations accessible to the holder of the certificate ³

IT Programmer with C# and Software Developer

¹ In the original language. | ² If applicable. This translation has no legal status. | ³ If applicable.

The Certificate supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.