

## Требования к знаниям студентов внутреннего .NET тренинга EPAM Systems

Area	Description	Expected level
.NET fundamentals	Understanding of the 'Object' Type Value Types and Reference Types What is strongly typed language? Constructors Strings and Unicode Boxing and Unboxing Enums Nullable Types Const/readonly Namespaces Delegates and Events LINQ	High
OOP fundamentals	Access modifiers Static vs Instance classes, methods Interface and Abstract class Object vs Class Multiple vs Single Inheritance Polymorphism Override vs Overload SOLID (SRP is must have)	High
Database development	Normalization Relationships	High
Computer science fundamentals	Data structures: stack, array, linked list, queue, bag Basic algorithms: elementary sort, finding max-min element in array, Algorithms complexity basics Merge and quick sort Hash tables; hash functions	High
Coding standards	Default Microsoft Code style	Medium
Unit testing	Know why create unit tests What frameworks to use Practical experience is must have	Medium
Git basics	Have experience working with git (Commit, Pull) Know how to use <a href="https://desktop.github.com/">https://desktop.github.com/</a>	Medium
Configuration and solution structure	Why use configuration files? Know how to create project structure	Low