



Intensive C++

Duration: 5 Days **Course Code: GK0791**

Overview:

In this course, experienced programmers will get a comprehensive, in-depth view of the C++ language. Included is complete coverage from fundamental concepts of class, inheritance, virtual functions. In addition to syntax, this course integrates the pragmatic and the theoretical with discussions of object-oriented principles, beneficial design criteria, efficiency tradeoffs, common design patterns, and other useful idioms and programming techniques

Target Audience:

Experienced programmers who want to learn as much as possible about C++

Objectives:

- Classes, member functions, and protection
 - Inheritance, single, and multiple
 - Constructors and destructors
 - Overloading, dynamic binding, and virtual functions
 - Polymorphism and generic programming
 - Template functions and classes
 - Exceptions and error handling
 - Operator overloading
 - Dynamic memory, copy/assignment, and memory management
 - Type conversion and run-time type information (RTTI)
 - Namespaces and project organization
 - Efficiency issues, code generation, and inlining
 - Function objects, pointers, and callbacks
 - Standard library io-streams, strings, and containers
 - Effective programming idioms and techniques
 - Object-oriented programming, patterns, and design
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Content:

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| ■ Basics | ■ Pointers | ■ Type Conversion |
| ■ Functions | ■ Dynamic Memory | ■ Functions 2 |
| ■ Types | ■ Operator | ■ Std Containers |
| ■ Member Functions | ■ Dynamic Memory 2 | ■ Preprocessor |
| ■ Inheritance | ■ Exceptions | ■ Compilation |
| ■ Constructors | ■ Constructors 2 | ■ Patterns |
| ■ Protection | ■ Scope | ■ Object-Oriented Programming and Design |
| ■ Virtual | ■ Virtual 2 | |
| ■ Templates | ■ Inheritance 2 | |
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Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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