
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:

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| ■ Classes, member functions, and protection | ■ Dynamic memory, copy/assignment, and memory management |
| ■ Inheritance, single, and multiple | ■ Type conversion and run-time type information (RTTI) |
| ■ Constructors and destructors | ■ Namespaces and project organization |
| ■ Overloading, dynamic binding, and virtual functions | ■ Efficiency issues, code generation, and inlining |
| ■ Polymorphism and generic programming | ■ Function objects, pointers, and callbacks |
| ■ Template functions and classes | ■ Standard library io-streams, strings, and containers |
| ■ Exceptions and error handling | ■ Effective programming idioms and techniques |
| ■ Operator overloading | ■ 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 00 966 92000 9278

training@globalknowledge.com.sa

www.globalknowledge.com/en-sa/

Global Knowledge - KSA, 393 Al-Uroubah Road, Al Worood, Riyadh 3140, Saudi Arabia
