

C PROGRAMMING BASIC



www.gteceducation.com.sg

Course Overview

This course is mainly for those who are just starting the programming in C. The course covers the fundamentals programming concepts like data types, managing input and output, working with operators, control structures, function and arrays. The course curriculum is designed as a combination of theory and many hands on practical exercise for each topic. The beginners will get good foundation of C programming after the course.

Entry Requirement	: Basic computer knowledge
Course Duration	: 15 hrs
Mode of Training	: Face to face Instructor led Training
Materials	: Course books will be provided to each participant

Course Content

Module 1: Introducing the C Language

- Defining the C language
- Exploring basic C concepts
- Character Sets and Tokens
- Compiling, Executing and Developing a Simple C Program

Module 2: Fundamentals of C Programming

- Exploring Data Types
- Introducing Constants and Variables
- Declaring and Initializing Variables
- Introduction to Constant and Volatile Type Qualifiers
- Explaining Data Type Modifiers

Module 3: Managing Input and Output

- Input/output Functions
- The printf() function
- The printf() place holders (Type identifiers, Type prefixes, Field-width, Precision, Flags)
- Escape Sequence
- The scanf(),getchar(), gets(), putchar(), puts() functions.

Module 4: Working with Operators

- Working with Operators
- The Unary Operators
- The Assignment Operators
- The Arithmetic Operators
- The Increment/Decrement Operators
- The Relational Operators
- The Logical Operators
- The Bitwise Operators
- The Conditional Operators
- The Special Operators
- The Shorthand Assignment Operators
- Operator Precedence in C

Module 5: Control Structures

- Exploring the syntax of a control structure
- Working with Conditional Statements (The if Statement, The if-else Statement, Nested if Statements, The if-else Ladder, The switch Statement, Nested switch Statements)
- Working with Iterative Statements (The while Loop, The do-while Loop , The for Loop),
- Working with Jump Statements (The break Statement, The continue Statement, The go to Statement)

Module 6: Arrays and Functions

- Introducing Arrays
- Working with One-Dimensional and Two-Dimensional Arrays
- Limitations of Arrays
- Working with Functions (Function Definition and Invocation)
- Types of Functions
- Built-in Functions(String manipulation, Memory Management, Buffer manipulation, Character manipulation, Error handling Functions)
- User-defined Functions
- Parameter passing mechanisms (Call by Value, Call by Reference)

Student's Testimonial

C programming-"The institution is **well organized and show good response. C advance** course covered all the relevant topics well."

College Student, Singapore

C Programming Course-"It is interesting for everyone to join the class .**Good environment for learning.**"

Wong Ngit Min ,Logiccode Pte Ltd,Technical Support Enginner, Singapore.

C Programming Course-"Student teacher ratio is very good. Explanation and doubt clearing was **very good and understandable**".

College Student, Singapore

C#.Net Programming Course-"C#.Net Training from G-TEC gives me the **full picture of this programming in short period. Both theory and practical works are well learned** though I need more practical practice."

Leica Instruments (S) Pte Ltd, R & D.

Java/J2EE Programming Course-"This is the **best institution I found in Singapore.** Because here the trainer as well as training was good. The **trainers are very good** because if we have any doubts they are giving clarification through mail even after the course completed (Java/J2EE)".

Comdo 2000 Pte Ltd, Software Engineer

Java/J2EE Programming Course-"The Java/J2ee course material was well presented and very helpful for my work. I really got a great amount out of it. The one to one **training was excellent. It met all my expectations.** I can even try my hand at getting a SCJP cert now. Thanks to GTEC! "

Sylvia Lawrence , IBM , IT Professional.

C#.net Programming Course-"G-TEC provides a **good trainer** qualified. It was a **good learning experience** in G-TEC for C#.net".

Emerson Process Management, Software Test Engineer.

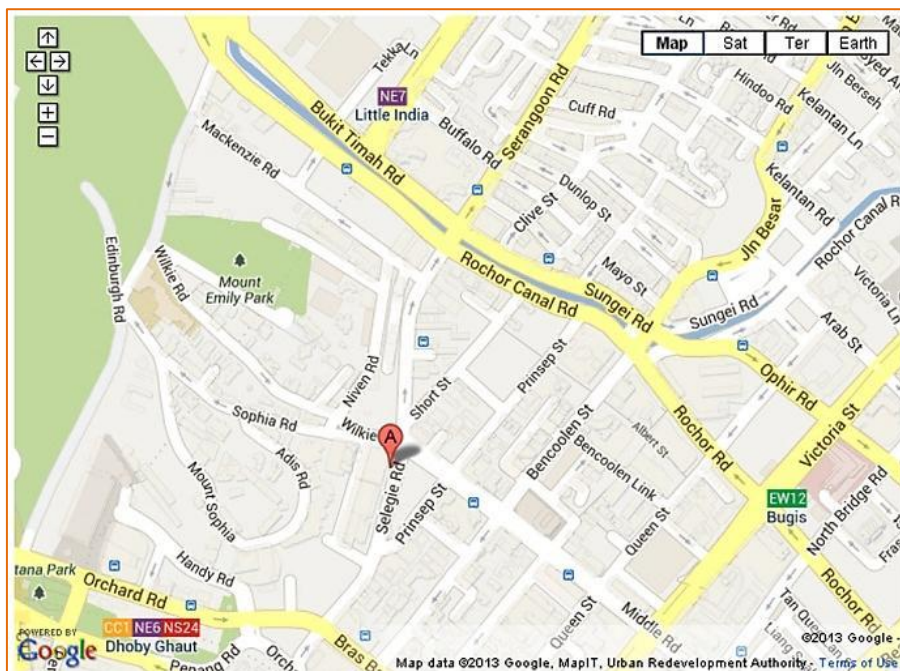
Our Clients

Singapore Airlines, Bosch, Ministry of Home Affairs, Seagate, Land Transport Authority, NETS , Inland Revenue Authority of Singapore, Tiger Airways, DSO Laboratories, DHL, Changi Airport Group, DB Schenker, National University Hospital,Gemalto, Thales, Housing Development Board,Philips ,Micron, Surbana International Consultants Pte. Ltd., Singapore Polytechnic, ING Bank, Nanyang Polytechnic, Nanyang Technological University, Genetic Technologies Solutions, Singapore Chemical Industry Council (SCIC), State Bank of India , ST Engineering, Emerson Process Management, Keppel FELS , ST Aerospace, MCI

Company Profile

<p>What We do :</p>	<p>G-TEC Computer Education Centre is an Information Technology company in the field of Software Training, Technology Resourcing and Knowledge Consulting. We provide Corporate Training, Project Training, and Customized Training, One to One trainings for professionals, individuals and students.</p>
<p>Who are our Customers :</p>	<p>We have special teaching methodologies to train people in different categories ranging from corporate clients to school level students. Over 900000 students are certified by G-TEC all over the world. We have the privilege of working with some of the most well-known companies in the world.</p>
<p>Where we are :</p>	<p>G-TEC Computer Education Centre is the largest computer education networks with more than 510 centers all over the world and corporate office in Singapore. We are operating in Mexico, Qatar, India, Dubai, Singapore, Kuwait, Srilanka and Iran.</p>
<p>Our Goal and Focus :</p>	<p>Our aim is to make IT education affordable to all sections of society through various projects associating with government's quasigovernment public and private company to reach each and every corner. Our ultimate goal is to achieve cent percentage computer literacy. We are committed to provide 100% quality training to all; our focus is to provide Quality Education World Wide.</p>

Our Location



1 Sophia Road, #02-03, Peace Centre, Singapore 228149.

Phone: 63360244, 9650 3505, Email: Info.sg@gteceducation.com

Registered with Committee for Private Education (CPE) is part of SkillsFuture Singapore (SSG)