

# ***Computer Programming Using Visual Studio***

Granite Technical Institute (GTI)  
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Advantages of Visual Studio as an IDE

Focus on a feature then learn other features  
by expanding on what you know

# *Overview*

- Computer Programming Fundamentals with C# using Visual Studio
- Focus on Learning How to Write Programs
- Easy Transition into Other Programming Languages

# *Goal*

Learn How to:

- Agile
- Create Data Flow Diagrams
- Project Task List – Prioritize – Backlog
- Use an Integrated Development Environment (IDE)
- Develop a Console and Windows Program

# *Goal*

Learn How to:

- Write to a File with a Specific Format
- Follow the Flow of Program Control
- Use Loops, Arrays and Graphics
- Pass Parameters
- Develop Subroutines/Functions

# ***CTSO Competition***

- Video Game Competition and Webmaster Competition
- GTI Open House 1<sup>st</sup> week in February
- TSA, SkillsUSA, Utah Digital Media Arts Festival (UDMAF)
- [Gti.graniteschools.org](http://Gti.graniteschools.org)  
Select Student  
Select Projects