

Troy High School Course Profile

Course Title: Computer Science IB HL 2

Course Prerequisites: Please Refer To Registration Presentation

Course Description:

The curriculum for this class includes a wide range of topics including topics from a university level Discrete Math class (Set and Logic, Conditional Propositions and Arguments, Proofs, Functions, Sequences and Relations, Number Theory, and Graph Theory), Advance data structures such as Linked List, Sets, Map, Stacks, Queues and Binary Trees while reviewing the standard and higher level IB curriculum.

Students entering this course should already have a mastery of the following concepts and possess the following skills:

- Proficiency and comfortable with Java
- Problem Solving Skills
- Concurrent enrollment in Pre-Calculus

Workload expectations for this course:

Approximately 30 minutes daily outside of class time