

Provider:

Edmentum EdOptions Academy

Course Code:

4801

Content Area:

CTE: Business, Marketing, Information Technology, Entrepreneurship

Course Delivery:

Online

Enrollment Type:

Continuous

Enrollment Deadline:

None

Course Description:

This one-semester course is intended as a practical, hands-on guide to help you understand various phases of the software development life cycle (SDLC). This course has four Units with 14 lessons and four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various phases of SDLC such as analysis, design, development, testing, and implementation. This course describes software development methodologies, how client requirements are gathered and analyzed, various types of project plans, design using unified modeling language (UML), coding, types of testing, quality control, and maintenance of software systems. This course also covers various security threats and risks and the methods to mitigate them. You will submit the Unit Activity documents to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit respectively, and an end-of-semester test. All of these tests are a combination of simple multiple-choice questions and technology enhanced (TE) questions.

Credit:

1

Credit Type:

High School

NCAA Approved:

No

Contact:

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Cost:

\$295.00

Indiana Course Title:

Computer Science I