



## Certificate of Accomplishment Introduction to Programming

Completion of the Introduction to Programming Certificate of Accomplishment courses will provide students with a foundation in Computer Information Systems with an emphasis in Computer Programming. The focus on Introductory Programming provides the basic skills needed for an entry-level career or advancement into a position as a Software Application Developer. Topics covered will include information systems and computer networking concepts, e-business systems, software development lifecycle, Java concepts, principles of object-oriented programming, JavaScript language concepts, cloud computing skills, database management for Web developers, and introduction to python programming concept.

### Required core

#### Students will complete all of the following:

	<b>Units</b>
CIS C111 Introduction to Information Systems Programming	3.0
CIS C155 Introduction to Programming Using Java	3.0
CIS C156 Web Development with JavaScript and Cloud Services	3.0
CIS C157 Introduction to Python Programming	3.0

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<b>Subtotal</b>	<b>12.0</b>
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**Total Units**

**12**

PID 1416