

Credentials Overview — Junior Coder



Credential Options

Cost Details

Certified Associate Programmer/C++ Institute

*recommended

C++ Certified Associate Programmer (CPA) is a professional certificate that measure your ability to accomplish coding tasks related to the basics of programming in the C++ language and the fundamental notions and techniques used in object-oriented programming. C++ offers a nine-chapter training course; it is recommended that each candidate completes one chapter per week.

Completion Time: **Course length is 40 hours; 3-6 months.**

Difficulty Level (Low, Moderate, High, Very High): **High**

Exam:

- \$295.00

Preparation:

- \$11.99 Practice Exams (Udemy)
- Free through Edube

Oracle Certified Associate (Java)/Oracle

The Java SE 8 Oracle Certified Associate (OCA) certification helps to build a foundational understanding of Java, and gaining this certification is the first of two steps in demonstrating the high-level skills needed to become a professional Java Developer. The Java Fundamentals training offers those with little to no program experience to learn object-oriented programming using Java language.

Completion Time: **Will vary by apprentice.**

Difficulty Level (Low, Moderate, High, Very High): **High.**

Exam:

- \$245.00

Preparation:

- \$3,495.00 (Training Course Subscription)

CIW Web Developer Professional/CIW Certified

The CIW Web Development Professional certification program is an ambitious journey for the individual who wants to excel in a career in Web and IT technologies. The essential combination of a front-end scripting language, a back-end programming language, and the skills to integrate them with a database is what makes a Web Development Professional.

Completion Time: **Will vary by apprentice.**

Difficulty Level (Low, Moderate, High, Very High): **High.**

Exam

- \$450.00 (\$150 per exam)

Preparation:

- \$440
 - Perl Kit -\$159.00
 - Java Kit-\$200.00
 - Database Kit-\$79.00



Credentials & Coursework — Junior Coder

Higher Ed Coursework (Year 3)

Course	Description	Approx. Cost*
CIS 118 Intro. To PC Applications	This course introduces basic computer terminology, file management, and PC system components.	\$800
MAT 121 College Algebra	Focuses on a variety of functions and the exploration of their graphs. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways.	\$800
CSC 119 Intro. To Programming	Focuses on a general introduction to computer programming. It is centered on basic programming concepts, including control structures, modularization, and data processing.	\$800
CSC 160 Computer Science I	Introduces students to the discipline of computer science and programming. Algorithm development, data representation, logical expressions, sub-programs and input/output operations are covered.	\$800
BUS 115 Intro. To Business	Introduces the application of fundamental business principles to local, national, and international forums.	\$800

*Training and Higher Ed Coursework may vary based on the needs of the employer and the trajectory of the apprentice. The above information suggests a sample of what the apprenticeship would entail.