

College and Career Pathway

Programming Foundations (Certificate of Achievement)

This certificate will provide experience with programming languages of different types. Courses will include exposure to programming with a markup language, a scripting language, an interpreted language, and a compiled language. Students completing this certificate will be qualified for entry-level positions in programming and quality assurance/testing.

| SEMESTER | COURSE | UNIT(S)/TRANSFER |
|-------------------|---|------------------|
| 9th Grade Sem 1 | | |
| 9th Grade Sem 2 | GUID-2: Essentials of Student Success (Optional) | 2 units, UC/CSU |
| 10th Grade Summer | | |
| 10th Grade Sem 1 | CIS-1: Introduction to Computer Information Systems | 3 units, UC/CSU |
| 10th Grade Sem 2 | CISIWEB-72: Web Page Development and Publishing | 3 units, CSU |
| 11th Grade Summer | | |
| 11th Grade Sem 1 | CISPROG-1: Introduction to Computer Programming | 3 units, UC/CSU |
| 11th Grade Sem 2 | CISIWEB-74: Creating Dynamic Applications using Javascript* | 3 units, CSU |
| 12th Grade Summer | | |
| 12th Grade Sem 1 | CISPROG-5: Programming with Python* | 3 units, UC/CSU |
| 12th Grade Sem 2 | | |
| TOTAL: | | 15 units |

*Prerequisite must be met prior to taking the course

This program map from the 2025–2026 catalog year represents one possible pathway through the program and is for reference only. Make an appointment with a Dual Enrollment Counselor to create a customized education plan that fits your needs.

For more information and to make an appointment with a Chaffey Dual Enrollment counselor, please visit www.chaffey.edu/dual-enrollment or call (909) 652-6156

Questions? Need Support?

Connect with the
[Dual Enrollment Team »](#)

