

# CLP: Advanced Programming in C

## Course Overview

Prepares students to accomplish intermediate to advanced coding tasks such as C handling variable number of parameters (<stdarg.h>), low level IO (<unistd.h>), memory and strings (<string.h> et al.), processes and threads, floats and ints once again (<math.h>, <fcntl.h>, <inttypes.h> et al.) and network sockets.

## Benefits

When you learn C programming, you develop the overarching fundamentals for all programming languages. You learn to think harder and deeper about programming concepts. Aligns with CLP – C Certified Professional Programmer Certification.

## Learning Components

- 8 modules of interactive instructional content
- 18 practice labs
- Quizzes, Chapter and Final Exams



 Certification Aligned

## Features

**Target Audience:** 2-year and 4-year college and university students

**Prerequisites:** CLA – Programming Essentials in C course, CLA certification or equivalent C knowledge

**ASC Alignment Required:** No

**Instructor Training Required:** No

**Languages:** English

**Course Delivery:** Instructor-led

**Estimated Time to Complete:** 70 hours

**Recommended Next Course:** CCNP R&S, NDG Linux I