

# Course Outline | Crystal Reports Advanced

---

2 day(s)

## Overview

You will create complex reports using Crystal Reports' tools.

## Objectives

- Upon successful completion of this course, students will be able to:
- Create automatic and manual running totals.
- Work with cross-tab reports.
- Add subreports.
- Create drill-downs in a report.
- Use SQL statements in report processing.
- Create complex formulas.
- Add charts to reports.
- Enhance report functionality.

## Target Student

This course is designed for people who know how to create basic list and group reports and need to create reports that include subreports, cross-tabs, advanced formulas, and charts based on more than one data series. They may also need to build tools that make it easier for other people to create reports. They may or may not have programming and/or SQL experience.

## Prerequisites

Crystal Reports® 2011: Level 1. A knowledge of programming and/or SQL would also be helpful.

## Course Outline

### Creating Running Totals

- Create a Running Total Field
- Modify a Running Total Field
- Create a Manual Running Total

### Working with Cross-Tabs

- Create a Cross-Tab Report
- Format a Cross-Tab Report
- Create Groups in Cross-Tab Reports

### Adding Subreports

- Insert a Subreport
- Edit a Subreport
- Share Variables

### Creating Drill-Downs in a Report

- Create a Drill-Down
- Create Headings for Drill-Down Data

### Using SQL Statements in Report Processing

- Create a Report Using SQL Queries
- Summarize Report Data
- Create Joins Using SQL
- Create Subqueries
- Create a SQL Expression Field

# Course Outline | Crystal Reports Advanced

---

## Creating Complex Formulas

- Work with Loops
- Work with Arrays

## Adding Charts to Reports

- Create Charts
- Create a Chart with a Drill-Down
- Topic Title
- Topic Title
- Topic Title
- Topic Title
- Topic Title

## Enhancing Report Functionality

- Organize Data Based on a Hierarchy
- Create a Dynamic Image
- Create a Report Alert
- Create a Geographic Map