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It isn't enough to know one piece of software. Most software utilize graphics or elements from other software. And now Adobe has made them easier than ever to work together. We'll show you how easy it is to make your project the best it can be. Here are a few additional classes you would benefit from.

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## **Flex 3: Building Dashboard and Charting Applications**

Flex 3: Building Dashboard Applications provides developers with the knowledge needed to use Flex 3 charts to create highly interactive dashboards for data visualization. By the end of the course, developers will be able to create interactive dashboards by leveraging the Flex 3 framework and the Flex 3 charting components. They will learn about using, formatting and styling Flex 3 charts as well as creating interactive charts and dynamically controlling chart data. Developers will also have the opportunity to discuss conceptual topics for dashboard creation and usability. You should take this course if you are a Flex programmer who needs to provide data visualization in your Flex applications.

Lumenbrite's instructors are Industry Experts as well as Adobe Experts. We use official Adobe training curriculum and add supplemental courseware and learning to offer you the practical, real world techniques that we use in our own projects. Courses are offered monthly at our regular locations, in addition we provide training to clients at their location across the United States. We can customize training for your organization to meet your specific needs. We encourage you to bring in your projects so that we can answer your specific questions.

*Recommended Prerequisites:* Completion of Flex 3: Developing Rich Client Applications course, or have equivalent knowledge of the topics covered in F3RCA.

*Duration:* 2 Days

## Flex 3: Building Dashboard and Charting Applications Lesson Plan

### INTRODUCING FLEX 3 CHARTS

- Understanding chart data
- Exploring the final application
- Loading external data for charts and dashboard applications
- Introducing Flex 3 charts
- Leveraging visual data through charts
- Understanding dashboards

### USING FLEX 3 CHARTS

- Understanding the elements of a chart tag
- Understanding and using the column & bar charts
- Using the Column and Bar charts
- Understanding and using the line & area charts
- Understanding and using the pie chart
- Understanding and using the plot chart
- Understanding and using the bubble chart
- Using the Candlestick & HighLowOpen-Close Charts

### FORMATTING CHARTS

- Understanding the axis controls
- Using the CategoryAxis
- Using Chart DataTips
- Formatting chart types
- Working with legend controls
- Applying the Concepts

### CREATING MULTI-SERIES AND ACTIONSCRIPT CHARTS

- Understanding multiple data series
- Adding multiple series of data
- Using multiple chart axes
- Mixing chart series types
- Mixing multiple series types
- Creating charts with ActionScript
- Applying the Concepts

### UNDERSTANDING ADVANCED CHARTING TECHNIQUES

- Using animation with chart series
- Animating charts and chart effects
- Handling user interaction
- Dynamically controlling chart series
- Changing dataProvider fields
- Dynamically controlling the series
- Using custom graphical renderers
- Applying the Concepts

### STYLING CHARTS

- Styling Charts
- Applying CSS to Chart Components
- Styling Chart Series
- Styling Chart Grid Lines
- Applying the concepts