

## Colleague Studio Programming Fundamentals Ongoing Training

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<b>Date:</b>	February 6-10, 2012
<b>Time:</b>	9:00 AM – 5:00 PM – <b>Please arrive 30 minutes before class start time</b>
<b>Location:</b>	<b>Caswell Building, Training Center/Room B58</b> <a href="#">Travel / Facility Information for Training Centers</a>
<b>Instructor:</b>	Todd Bowden, Datatel
<b>Target Audience:</b>	Technical staff members responsible for creating, and maintaining Colleague processes including conversion programmers, reporting specialists, and software developers. This course is also recommended for IT directors and managers.
<b>Prerequisites:</b>	

- General programming knowledge and a working knowledge of a Colleague application is recommended.

**Note: This course replaced Envision Tool Kit Programming Fundamentals**

- Participants must have completed Research Fundamentals
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### Course Description

The Colleague Studio: Programming Fundamentals course focuses on the basic concepts and use of Colleague Studio, Datatel's Application Development Environment (ADE), for customizing and maintaining Colleague applications. Included is an overview of the development environment and hands-on practice for form and subroutine creation, database design, and Envision Basic programming. Designed for programmers, this is a gateway course to many of Datatel's Colleague Studio courses. Additionally, participants will

- Learn and apply best practices for programming and testing with Colleague Studio.
- Increase your productivity with step-by-step instruction and hands-on lab work.
- Learn practical solutions that you can apply to your institution's requirements.

**Course Outcomes:** After completing this course, participants will be able to

- Design and create a UI maintenance form using the UI Form Editor.
- Write hook code required for the UI form.
- Create custom entities and attributes to store information using the Entity Editor.
- Create a custom subroutine.
- Create an insert to reuse code segments using the Insert Editor.
- Write code using Envision Basic programming syntax.
- Create a custom Colleague menu.
- Use general debugging techniques to troubleshoot generation errors and unexpected processing errors.
- Explain managing custom software within Colleague architecture.