Colleague Studio Programming Fundamentals
College Staff Training Offered in Partnership with Ellucian

Target Audience: The Target Audience for this class is 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.

Date: August 24-28, 2015

Register by Date: August 20, 2015

Location:

Time: 8:30 a.m. – 4:30 p.m.

Facilitator(s): Rich Murray, Ellucian

Prerequisites: General programming knowledge and a working knowledge of a Colleague application is recommended. Participants must have completed Research Fundamentals.

Course Description: The Colleague Studio: Programming Fundamentals course focuses on the basic concepts and use of Colleague Studio, Ellucian’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 Ellucian’s Colleague Studio courses. Additionally, participants will:

• Learn and apply best practices for programming and testing with Colleague Studio.
- Increase productivity with step-by-step instruction and hands-on lab work.
- Learn practical solutions that can be applied to the institution’s requirements.

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

**Advanced Preparation:**
Prior to class:
- Print and bring the documentation indicated for the class that is located on the CIS Training Materials web page.

**Course Objectives:**
After completing this session, 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 segment 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.

**Course Evaluation:**
Thank you for attending this training class. The goal of the College User Support Team is to provide the best possible training solutions for the Community College System. You can help us continually improve our training sessions by completing the evaluation for this class. At the conclusion of this class, you will receive an email at the email address you submitted during registration. This email will include a link to our training evaluation. Please complete this evaluation within ten days of receipt. Your input provides our team with valuable feedback about our services.