

Banner Student

Banner Student: Communication Plan, Population Selection and Letter Generation

Description

A communication plan is a method of organizing and automating the process of distributing materials to persons. This course is designed to help you use specific forms, tables, reports and processes in Banner Student to create population selections and generate materials to be sent to them. This course provides an overview of the functionality within the Banner Student product to automate the scheduling of correspondence based on records created in Recruiting, Admissions or the General Student areas. It also includes instruction on how to use Banner Population Selection and Banner Letter Generation, (whether generating a printed or downloaded letter).

Topics

- Using a Population Selection
 - define a simple application with and without application-level rules
 - Define simple Population Selection rules
 - Copy Population Selection rules
 - Select a population
 - View Population Selection results
 - Perform a query on a selected population
 - Add/delete people to a selected population
 - Delete the results of a population
 - Create a Manual Population Selection
 - Create Population Selection rules
 - Identify a distinct group of individuals for data extraction
 - Eelect a distinct group of students
 - Extract your selection
 - Identify the processes in which to use your selection
- Using Letter Generation
 - Create the rules, codes, and set parameters used to generate ◦bulk letters
 - Award letters
 - Postcard information
 - Labels
 - Create the structure of your letter
 - Extract the population you have identified
 - Generate the letter
 - Print the letter
- Using Communication Plan Processing
 - Creating Communication Plans
 - Creating Communication Groups, if needed

- Configuring Communication Plan Rules
- Creating Material Items
- Assigning Material Items to Communication Plans
- Configuring Material Rules
- Automatically triggering Communication processing in Registration, Admissions and General Student modules
- Monitoring Communication Plans as changes are made in the processing areas

Audience

Anyone involved in creating and using Communication Plans, creating and using Population Selections and Letter Generation.

Pre-requisites and Prep

Working knowledge of Banner General Navigation and use of Banner Student or Financial Aid in the user's particular area of interest.

Delivery Mode

Classroom

Duration

16 hours

Banner Student: Basic Registration leveraging XE Technology

Description

The Banner Student Registration module will enable you to track and control all aspects of Student Registration, including holds, fee assessment, course registration, block registration, waitlisting, overrides and errors and student planning. This course offers hands on training for Banner Student Registration leveraging XE, emphasizing the functions that are new with the XE technology.

Topics

- Introduction to Banner Student Registration leveraging XE
- Registering a student for classes
- Managing Registration Overrides and Errors
- Managing Waitlists
- Managing Holds
- Performing Add/Drop
- Managing Enrollment Verification
- Using Mass Entry for Registration

Audience

Staff members who are responsible for managing Student Registration.

Pre-requisites and Prep

- Completion of the Banner Navigation leveraging XE course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner XE system.
- Completion of the Overview of Banner Student Registration leveraging XE Technology course.
- Thorough understanding of institution's policies and procedures regarding student registration, fee assessment and enrollment verification.

Delivery Mode

Classroom

Duration

4 hours

Banner Student: Block Registration leveraging XE Technology

Description

The Banner Student Registration module leveraging XE technology enables you to take advantage of new functionality. This course offers hands on training for Banner Student Registration leveraging XE, emphasizing the block registration function.

Topics

- Defining Registration Blocks
- Pre-assigning Students to Blocks
- Configuring Registration Blocks
- Using Registration Controls for Block Registration

Audience

Staff members who are responsible for managing Student Registration.

Pre-requisites and Prep

- Completion of the Banner Navigation leveraging XE course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner XE system.
- Completion of the Overview of Banner Student Registration leveraging XE Technology course.
- Completion of the Banner Student Basic Registration leveraging XE Technology course or equivalent experience in the Banner Student Registration module in the XE Technology.
- Thorough understanding of institution's policies and procedures regarding student registration, fee assessment and enrollment verification.

Delivery Mode

Classroom

Duration

4 hours

Banner Student: Registration Fee Assessment leveraging XE Technology

Description

The Banner Student Registration module leveraging XE technology enables you to take advantage of new functionality while using existing capabilities already built into Banner. This course offers hands on training for Banner Student Registration leveraging XE, emphasizing Fee Assessment.

Topics

- Functional set up required for Fee Assessment
- Assessing Fees online
- Assessing additional fees
- Querying a student's classes and charges
- Reviewing account detail
- Using the Fee Assessment report.

Audience

Staff members who are responsible for managing Student Registration and Registration Fee Assessment.

Pre-requisites and Prep

- Completion of the Banner Navigation leveraging XE course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner XE system; AND/OR
- Completion of the Banner Navigation course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner 8.X system.
- Completion of the Overview of Banner Student Registration leveraging XE Technology course.
- Completion of the Banner Student Basic Registration leveraging XE Technology course or equivalent experience in the Banner Student Registration module in the XE Technology.
- Thorough understanding of institution's policies and procedures regarding student registration, and fee assessments.

Delivery Mode

Classroom

Duration

4 hours

Banner Student: Registration Student Planning leveraging XE Technology

Description

The Banner Student Registration module leveraging XE technology enables you to take advantage of new functionality. This course offers hands on training for Banner Student Registration leveraging XE, emphasizing the Student Planning function.

Topics

- Building a Registration Plan
- Registering for Classes using a Plan
- Interacting with Third Party Registration Plans (DegreeWorks, CAPP)
- Using Faculty and Advisor Access for Student Planning
- Creating Registration Plans as Faculty/Advisor
- Adding Notes to a Registration Plan
- Approving Plans
- Personas and Preferred Plans
- Reviewing and Updating Plans

Audience

Staff members who are responsible for managing Student Registration and Student Registration Planning, such as members of the Registrar's office, or Faculty and Student Advisors.

Pre-requisites and Prep

- Completion of the Banner Navigation leveraging XE course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner XE system.
- Completion of the Overview of Banner Student Registration leveraging XE Technology course.
- Completion of the Banner Student Basic Registration leveraging XE Technology course or equivalent experience in the Banner Student Registration module in the XE Technology.
- Thorough understanding of institution's policies and procedures regarding student registration, and Student Degree Planning.

Delivery Mode

Classroom

Duration

4 hours

Banner Student: Projected Registration leveraging XE Technology

Description

The Banner Student Registration module leveraging XE technology enables you to take advantage of new functionality. This course offers hands on training for Banner Student Registration leveraging XE, emphasizing the projected registration capability.

Topics

- Overview of Projected Registration model
- Setting Up Projected Registration for a new term
- Programs, Areas and Compliance
- Using Projected Registration to register for classes

Audience

Staff members who are responsible for managing Student Registration.

Pre-requisites and Prep

- Completion of the Banner Navigation leveraging XE course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner XE system.
- Completion of the Overview of Banner Student Registration leveraging XE Technology course.
- Completion of the Banner Student Basic Registration leveraging XE Technology course or equivalent experience in the Banner Student Registration module in the XE Technology.
- Thorough understanding of institution's policies and procedures regarding student registration, fee assessment and enrollment verification.
- Completion of the Banner Student Curriculum, Advising and Program Planning course or equivalent experience.

Delivery Mode

Classroom

Duration

4 hours

Banner Student: Structured Registration leveraging XE Technology

Description

The Banner Student Registration module leveraging XE technology enables you to take advantage of new functionality. This course offers hands on training for Banner Student Registration leveraging XE, emphasizing the structured registration capability.

Topics

- Overview of Structured Registration model
- Setting Up Structured Registration for a new term
- Mandatory, Optional and Elective courses
- Time Ticketing
- Using Structured Registration to register for classes

Audience

Staff members who are responsible for managing Student Registration.

Pre-requisites and Prep

- Completion of the Banner Navigation leveraging XE course on the On Demand Subscription Library or have the equivalent experience navigating in the Banner XE system.
- Completion of the Overview of Banner Student Registration leveraging XE Technology course.
- Completion of the Banner Student Basic Registration leveraging XE Technology course or equivalent experience in the Banner Student Registration module in the XE Technology.
- Thorough understanding of institution's policies and procedures regarding student registration, fee assessment and enrollment verification.
- Understanding of institution's selected Degree Audit and Program Planning module.

Delivery Mode

Classroom

Duration

4 hours

Banner Student: Using Banner Student Registration Leveraging XE Technology

Description

The Banner Student Registration module will enable you to track and control all aspects of student registration including holds, fee assessment, course registration, block registration, wait listing, overrides, errors, and student planning. In this course, you will have the opportunity to see and use the most current release of Banner Student Registration leveraging Ellucian XE technology, with special emphasis on block registration and student planning.

Topics

- Registering a student for classes
- Block scheduling and registration
- Student planning in registration
- Managing fee assessment
- Managing registration overrides and errors
- Managing waitlists
- Managing holds
- Performing add/drop
- Managing enrollment verification
- Using mass entry for registration

This course also includes an overview of structured and projected registration, with a discussion of the differences between them and the types of programs for which they are appropriate. Unfortunately, we will not have enough time for hands-on practice with these applications.

Audience

Users with basic functional Banner Student Registration knowledge and experience including but not limited to registrars, academic counselors, deans, and those who support them.

Pre-requisites and Prep

To complete this course, you should have training and general experience with:

- Basic Banner navigation
- Understanding of the Banner General Student module

- Understanding of the Banner baseline registration and fee assessment process
- Understanding of your institution's registration process and policies

Delivery Mode

Classroom

Duration

16 hrs

Banner Technical

Banner Technical: Banner Administration using XE Technology

Description

This course provides hands-on practice in several areas of Banner administration in the Extensible Ecosystem (XE) environment: applying the Database Extension Utility to baseline and custom tables; Installing and Configuring Oracle WebLogic Server and Apache Tomcat mid-tier options; Installing Banner Online Help; Installing a Banner Application; Deploying a Banner Application to WebLogic and Tomcat.

Topics

- Describe the Extensible Ecosystem architecture and list system requirements
- Describe the role that the Database Extension Utility (DBEU) plays in Banner
- Run DBEU for baseline and custom tables
- Plan a WebLogic Server Install and Install WebLogic Server 11gR1
- Create a WebLogic domain suitable for Ellucian applications that use XE technology
- Start, stop, and check the status of WebLogic server
- Manage WebLogic Server via console and scripts
- Locate WebLogic Server logs
- Configure Banner Online Help
- Grant users of Banner applications the ability to connect to the database via the banproxy account.
- Upgrade a Banner Database for an XE-based application
- Install a Banner application using XE technology
- Deploy a Banner application to WebLogic Server
- Install Tomcat Server and Deploy a Banner application to Tomcat

Audience

Banner database administrators and other technical support personnel who will be responsible for installing and maintaining a Banner infrastructure that includes XE.

Pre-requisites and Prep

Experience using Unix/Linux command line (shell)

Delivery Mode

Classroom

Duration

16 hours

Banner Technical: Creating a Git Infrastructure for Banner

Description

This course provides an overview for system administrators of the steps necessary to set up Git for Banner modification.

Topics

- Overview of Git and its role in application development
- Git concepts and terminology
- Installing Git on a Windows workstation
- Installing Git as a local origin server
- Installing and configuring gitolite for access control
- Managing software development using branching and merging of work from individual developers.
- Managing the merging / rebasing of Ellucian updates with the Institution's modified repository.

Audience

System Administrators, Banner Administrators, and other technical support personnel who will be responsible for installing and maintaining a Banner infrastructure that includes XE.

Pre-requisites and Prep

- Experience using Unix/Linux command line (shell)

Delivery Mode

Classroom and/or remote

Duration

7 hours

Banner Technical: Extending Banner Self-Service XE Apps

Description

Note: This course is intended for individuals responsible for extending Self-Service Banner XE apps that cannot be accomplished using extensibility tools and techniques. If you are uncertain as to whether your changes necessitate code extensions, review the [“Extensibility Overview Recording”](#) before registering for this course.

This course provides the working knowledge of how to make code extensions to XE SSB Apps using programming. This session teaches how to add blocks, sections, and related web pages to existing Apps. In this session, you will extend existing SSB (Self-Service Banner) XE Applications using the Grails Web Framework and GSP (Groovy Server Page) technology. You will use the IntelliJ IDE (Integrated Development Environment) and will also be introduced to the Git repository as a source code management tool. Participants should have prior PL/SQL development experience, have an understanding of Object-Oriented principals, and have completed the Introduction to Groovy, Grails and XE Technology course.

Topics

- Overview of Banner XE Technology and the MVC (Model-View-Controller) design pattern.
 - The pieces of the puzzle – the MVC App.
 - The Domain Model and mapping to the back-end Oracle database tables.
 - The Controller and its action methods
 - The structure and operation of a GSP page.
- GSP page component basics, with exercises
- Hands-on exercises that will provide the experiences of adding field-groups, blocks, and new individual pages to existing XE SSB Apps

Audience

Programmer/Analysts that need to make the transition from Banner 8 Self Service development to Banner XE Self Service Apps. This can also be of use to web- and Java- developers that need to learn the Banner XE architecture.

Pre-requisites and Prep

- Completion of the *Extensibility Overview* recording
- Experience in Oracle database technology and its integration with web applications.
- Understanding of OO (Object-Oriented) concepts, completion of the *Introduction to Groovy, Grails, and XE Technology* course

Delivery Mode

Classroom

Note: Classroom or On-Site training can be arranged upon request and availability.

Duration

32 hours

Banner Technical: Extending Banner Admin XE Apps

Description

The goal of this course is to equip your institution with the hands-on knowledge needed to extend Banner XE, eXtensible Ecosystem, Admin Forms (known in Banner 8.x releases as Banner INB forms). This is a three-day workshop that will introduce the technology and tools used for extending XE Admin Applications.

Topics

- Introduction to XE Technology for Admin Apps
- Development environment setup overview.
- Using your workbench- the Eclipse IDE (Integrated Development Environment)
- The MVC (Model, View, Controller) Design Model
- The Application Extension methodology and process
- Event Handling and Service Methods
- Adding and hiding fields in Forms
- Adding SQL-based Validations, Actions and Alerts to your forms.
- Creating LOV (List of Values) Fields and Calculated Fields
- Adding a new tab presenting a new table.
- Branding basics – changing colors and the footer image

Audience

Higher Education Information Technology developers who are responsible for Banner maintenance and extensions.

Prerequisites and Prep

- Working knowledge of SQL and PL/SQL.
- Working experience with Banner.
- Completion of the Introduction to Java and Object Oriented Concepts course.

Delivery Mode

Classroom

Duration

24 hours

Banner Technical: Implementing Single Sign-On in Banner 8 and XE Applications

Description

Single Sign On (SSO) is a technology that enables Banner users to enter their login credentials once, then move between various products without additional authentication. In this course, you will learn how to use an existing CAS Server to authenticate user sessions in both Banner 8 and Banner applications using XE technology.

This class features Hands on Lab exercises in which participants will configure an existing CAS server to authenticate an XE-based application, and use Single Sign On Manager in BEIS to authenticate Banner 8 INB forms and SSB pages.

Topics

- Overview of Identity and Access Management
- The Architecture of Single Sign On: BEIS, CAS
- CAS Configuration
- Single Sign On in Banner 8: INB, SSB, Other Applications (e.g. Workflow)
- Single Sign On in Banner Using XE Technology

Audience

Banner Administrators

Pre-requisites and Prep

This course is intended for those who have previous experience administering a Banner system. No pre-work is required.

Delivery Mode

Classroom

Duration

16 hours

Banner Technical: Installing and Configuring Banner Application Navigator

Description

This course describes the Application Navigator user interface for Banner. It includes hands-on labs on how to install the application and configure Banner 8 forms and XE applications to use it.

Topics

- Seamless Navigation and Application Navigator
- Preparing Banner 8 Forms for Application Navigator
- Configuring XE Applications for Application Navigator
- Deploying and configuring Application Navigator

Audience

Banner database administrators, and other technical support personnel who will be responsible for installing and maintaining a Banner infrastructure that includes XE.

Pre-requisites and Prep

- Experience using Unix/Linux command line (shell)

Delivery Mode

Classroom and/or remote

Duration

7 hours

Banner Technical: Introduction to Banner Administration

Description

The function of this training program is to provide introductory training to designated personnel in the administration of the Banner software environments.

Topics

- Installing and configure an Oracle database
- Installing multiple versions of Oracle
- Installing the client software
- Discussing the installation of Banner software and the placement of the software directories
- Discussing how the operation of job submission via the DBMS_PIPE package works
- Setting up printers to work with the Saved Output Review Form (GJIREVO) and Printer Validation Form (GTVPRNT)
- Understanding how to perform a Banner upgrade
- Adding security programming to custom applications

Audience

Database administrators and system administrators

Pre-requisites and Prep

Completion of the Banner General: Technical course

Delivery Mode

Classroom

Duration

24 hours

Banner Technical: Introduction to Groovy, Grails and XE Technology

Description

This course equips the participant with the basics of the Groovy language and the use of the Grails framework as applied to Higher Education using XE technology. It also introduces the practical concepts used when working with XE web page development. This course uses hands-on exercises throughout the entire session. It is designed as the prerequisite course immediately prior to the Banner Code Modification Workshop Using XE Technology Course. It prepares the technology professional to achieve the skills necessary for modifying XE code, laying the groundwork by providing the technical language and framework usage knowledge using an IDE (Integrated Development Environment)

Topics:

- Introduction to the XE technology stack used with Banner Apps.
- The MVC Model and how it pertains to XE apps, both Admin pages and SSB pages
- Object-Oriented concepts review, and how OO is implemented with Groovy
- Classes and objects, constructors
- Groovy language structure and syntax, programming logic
- Groovy types, Gstrings, operators, date and numeric processing
- Collections – focusing on Lists and Maps
- Closures
- Groovy beans
- File I/O
- XML processing
- Web page design – HTML, JavaScript, XML, overall web app terminology.
- The Grails framework – Hello World
- The use of the IDE with Groovy and Grails

Audience

Technical professionals who are or will be working with Banner using the XE technology environment.

Pre-requisites and Prep

Some experience using Banner or hands-on review of the Banner Navigation User's Guide. Also, some working knowledge of SQL and PL/SQL is needed. Completion of the Java/OOP course or equivalent experience is required.

Delivery Mode

Classroom

Duration

32 hours

Banner Technical: Java and Object Oriented Programming Overview

Description

Students will learn the syntax and constructs of the Java programming language, including fundamental OO concepts such as classes and objects, encapsulation, inheritance, and polymorphism. They learn how to create and use Java classes containing arrays, collections, loops, conditional constructs, and exception handling. Standard conventions and best practices are emphasized throughout. While the course is overview in nature, it provides thorough coverage of the selected topics, including significant hands-on work. Note: this class is not Banner-Specific. It is foundational to the Banner Code Modification using XE Technology Workshop.

Topics

- Java Environment
- Java and OO Fundamentals
- Flow of Control
- More about Classes and Objects
- Composition and Inheritance
- Interfaces and Abstract Classes
- Collections
- Exceptions
- Unit Testing Overview

Audience

PL/SQL developers who are crossing over into the Java platform

Pre-requisites and Prep

Familiarity with programming concepts. Experience with Java and Object-Oriented Programming is helpful, but not required.

Delivery Mode

Classroom

Duration

16 hours

Banner Technical: Java Refresher

Description

This one-day course is for those technical professionals who are preparing to take the 'Extending Banner XE Admin Apps' and/or the 'Extending Banner XE Self Service Apps' and who have taken the required Java/OO prerequisite, but need a review of the material.

The content reviews the most needed facets of the language and Object Oriented concepts to well-prepare one for learning XE Extensibility. Most importantly, it equips the learner with hands-on experiences, using the design methodology used for XE.

Topics

- Java "Hello World" basics
- Using the IDE (Integrated Development Environment)
- The MVC model
- OO Basic concepts review
- Classes, methods, attributes
- Object Instantiation
- Overriding
- Syntax review
- Package Structure
- Creating interactive classes in Packages
- Understanding the real-world use-case scenario for the labs - student dorm pet data
- Inheritance and Modifiers
- Data Types
- The Domain model
- The Java Bean design model
- Imports and Imported Types

Audience

PL/SQL developers who are crossing over into the Java platform

Delivery Mode

Classroom

Duration

8 hours

Banner Technical: Banner General Technical with an Overview of XE Technology

Description

Introduction to Banner General Technical with an overview of Banner XE technology. This course gives an essential overview of Banner to the technical professional, and can be a refresher as well as an introduction. The goal of this course is to improve your ability to do your technical job tasks in supporting Banner core functionality. It will leave you with working knowledge of the Banner core functionality, including its forms, tables, and processes that are necessary to perform daily technical tasks supporting the core Banner module.

Topics

- Introduction to the Banner product, 8.x and XE evolution
- Banner General Technical Objects overview - using driver tables, object naming conventions
- Database basics - referential integrity, using the data dictionary, triggers, views, stored procedures.
- General Person Data - Identify the data behind the Banner forms, Query and program Banner General Person data.
- Using Reference resources
- What Common Matching can do for the institution
- Banner 8.x Directory structure, Job Submission and other common utilities.
- Adding to Banner pages - what is possible, 8.x and XE
- Intro to Banner Security - Overview, Banner Admin security, module level security, hiding of sensitive fields on forms, Fine-Grained Access Control.

Audience

Technical professionals who are new or relatively new to Banner, or those that would like a refresher.

Pre-requisites and Prep

Some experience using Banner or hands-on review of the Banner Navigation User's Guide. Also, some working knowledge of SQL.

Delivery Mode

Classroom

Note: Classroom or On-Site training can be arranged upon request and availability

Duration

24 hours

Ellucian Solution Manager

Ellucian Solution Manager: Installing and Upgrading Ellucian Solution Manager

Description

Ellucian Solution Manager is a tool for downloading, installing, configuring, and managing Ellucian software, including Banner. In this session we will give an overview of Ellucian Solution Manager (ESM) and its capabilities. In the lab, you'll install Ellucian Solution Manager and use its self-update feature to upgrade it to the current release.

Topics

In this course, attendees will learn about:

- Overview of Ellucian Solution Manager
- Installing Ellucian Solution Manager Base Version 1.1
- Upgrading Ellucian Solution Manager 1.1 to Current
- Installing Jenkins

Audience

- Banner Administrators
- System Administrators

Pre-requisites and Prep

Experience with UNIX / Linux

Delivery Mode

Classroom

Duration

4 hours

Ellucian Solution Manager: Provisioning Banner Environments Using Ellucian Solution Manager

Description

Ellucian Solution Manager is a tool for downloading, installing, configuring, and managing Ellucian software, including Banner. In this session we will show how Ellucian Solution Manager (ESM) is used to provision new Banner environments into a set of virtual machines. In the lab, you'll define a new environment to ESM and monitor an already-running provisioning job.

Topics

In this course, attendees will learn about:

- About Ellucian Solution Manager and Provisioning
- Provisioning Templates
- Banner Provisioning Template Requirements
- Running a Provisioning Job

Audience

- Banner Administrators
- System Administrators
- Database Administrators

Pre-requisites and Prep

Experience with UNIX / Linux

Delivery Mode

Classroom

Duration

6 hours

Ellucian Solution Manager: Upgrading Banner Software Using Ellucian Solution Manager

Description

Ellucian Solution Manager is a tool for downloading, installing, configuring, and managing Ellucian software, including Banner. In this session we will show how Ellucian Solution Manager (ESM) is used to download and install Banner releases and patches. In the lab, you'll define an existing Banner environment to ESM, then use ESM to upgrade and deploy Banner applications.

Topics

In this course, attendees will learn about:

- Ellucian Solution Manager and Upgrades
- Defining Existing Banner Environments to Ellucian Solution Manager
- Upgrading Banner via Ellucian Solution Manager
- Deploying Applications and Banner Online Help

Audience

- Banner Administrators
- System Administrators
- Database Administrators

Pre-requisites and Prep

Experience with UNIX / Linux

Delivery Mode

Classroom

Duration

4 hours