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Banner Student Self-Service Registration Release Guide

Release 9.4
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Introduction

This release guide documents the Banner® Student Self-Service Registration 9.4 release. This release contains updates to Banner administrative and Self-Service pages.



Warning! Release 9.4 is not cumulative to Banner 8.x.

This document contains information for Banner Student Self-Service Registration 9.4.

New for release 9.4 is the ability to use Brainstorm (competency-based education) course sections. Associated changes in Banner Student 8.x can be found in the *Banner Student Release Guide 8.9.2*.

Release Information

This section contains information on requirements, documentation, translation, and extensibility.



Note: There are no Registration administrative pages in the upgrade. The release contains only Self-Service functional enhancements.

Requirements

Please refer to the *Banner Student Self-Service Registration Installation Guide 9.4* document for information on the following hardware and software requirements, tested browser and tablet versions, and other installation prerequisites.

- Application server
- Application server and operating system combinations
- Banner software
- Other Ellucian software
- Oracle Database
- Supported browsers
- Java
- Tablets
- JAWS screen reader
- Database Extension Utility

Release tagging

Use the following tags for application source code in the git repository.

Application	Tag
Registration Self-Service	rel-registration-9.4

Supplemental Data Engine

Supplemental Data Engine (SDE) is supported for this release.

Multi-Entity Processing

Multi-Entity Processing (MEP) is supported for this release.

Degree Works

The minimum version of Degree Works that should be used to bring SEPs into registration planning is Degree Works 4.1.3.

Single Sign On with CAS or SAML 2.0 SSO Protocols

Application Navigator and integrating Banner applications require CAS or SAML 2.0 SSO to navigate between applications. Please refer to the *CAS Single Sign On Handbook* or the *Setting Up Ellucian Identity Service* document, available for download from the Ellucian Support Center.

SAML 2.0 support

Banner Student Self-Service Registration now supports SAML 2.0 SSO with Ellucian Identity Service (EIS), in addition to CAS SSO.

SAML 2.0 is an XML-based protocol that uses security tokens containing assertions to pass information about a principal (usually an end user) between a SAML authority (an identity provider) and a SAML consumer (a service provider).

Please refer to the *Banner Student Self-Service Registration Installation Guide 9.4* for details on the SAML 2.0 enhancement implementation.

Documentation

The Banner Student Self-Service Registration Release 9.4 includes the following documentation:

- *Banner Student Self-Service Registration Release Guide*

- *Banner Student Self-Service Registration Resolutions Report*
- *Banner Student Self-Service Registration Handbook*
- *Banner Student Self-Service Registration Installation Guide*

The following documents are also used with this release but are delivered separately.

- *Banner Student Overall Installation Guide*
- *Banner Database Upgrade Guide*
- *Banner Student Registration Installation Guide*

APIs

You can access API documentation for Banner Student Self-Service Registration in the Ellucian Support Center. API documentation is located in the XE Registry under Banner XE API.

Translation

Banner Student Self-Service Registration 9.x supports the following languages:

- English (Australia, Great Britain, India, Ireland, United States)
- Arabic
- French
- French (Canada)
- Portuguese (Brazil)
- Spanish

Extensibility tools

The Banner Extensibility tools enable you to make changes to your Banner 9.x applications without having to change the source code. The Extensibility tools available to you as part of this release are the Configure Page Components Tool and the Domain Extension Tool. For more information on the Banner Extensibility Tools, see the Banner Extensibility Documentation Library in the Ellucian Support Center.

The Configure Page Components Tool is embedded in this release of the application, but additional installation steps must be taken to enable its functionality.

The Domain Extension Tool requires application source code and is only available via the Ellucian source code repository. If you want to use this tool, you will need to establish a development environment and request access to the repository. More information can be found in the *Domain Extension Tool for Developers Handbook*.

If you want to use either of these tools, you may need to check with the person who completed the installation of the application to make sure they took the additional steps to enable the Extensibility tools.

Configure Page Components Tool for ZK Applications

The Configure Page Components Tool for ZK Applications enables you to customize delivered user interface common components and add new common components onto a page. With it, you can hide fields that are not required, change the field type of delivered fields (within the bounds of the database functionality), and change the characteristics of fields.

It is designed to be used primarily by a business analyst or functional application expert. The user should be someone who understands the application and basic relational database concepts. Users with the proper security can access the Configure Page Components Tool directly from the Tools menu on the Banner 9.x page they want to change.

Domain Extension Tool

The Domain Extension Tool enables you to make changes to a domain without having to change the Ellucian source code. It is intended to be used by an experienced developer.

Competency-Based Education

Competency-based education using Brainstorm® helps students identify existing skills, acquire new expertise, and show capabilities to prospective employers. This type of education is geared toward non-traditional learners and does not rely on credit hours and GPAs for successful outcomes. Work is self-paced with ongoing assessments so students can demonstrate competencies as they progress. The curriculum is constructed according to a student's abilities. Faculty members can mentor students and provide recommendations, as grading is not the main focus of the faculty role.

Banner Student Self-Service Registration

Changes have been made in Banner Student Self-Service Registration 9.4 to present Brainstorm open learning classes. These changes are not provided in Banner Student Self-Service 8.x.

Confirm Your Dates/Confirm Your Selections window

This window is presented in two ways:

- The Confirm Your Dates window is displayed based on a term code search and selection of open learning classes.
- The Confirm Your Selections window is displayed based on a date range search and selection of open learning classes.

A version of this window is displayed from various registration pages when standard open learning or Brainstorm open learning classes are added to the student's registration summary. Pages include Register for Classes, Find Classes, Enter CRNs, Blocks, Plans, Projections, or Structured. The Plan Ahead path will also present the window when open learning classes are added to the plan summary.

When you search for classes by date range from Find Classes, and use the **Select** check box and the **Submit** button in the Find Classes Results to add those courses to the summary, this window is displayed. Use the **Submit** button in this window to proceed with registration or the **Cancel** button to close the window.

This window contains instructional information for Brainstorm open learning classes and for standard open learning classes. Both types of classes and associated information can be displayed at the same time when both types of open learning classes are selected. When you search for classes by date range, you must enter appropriate dates and confirm your selections. When you search for classes by term code, you must enter appropriate dates and confirm your dates.

Confirm Your Dates - standard open learning sections

When a term code is selected and a CRN for an open learning course is entered (Enter CRNs) or added to the registration summary, the Confirm Your Dates window is displayed. Use this window to confirm the course information with the permitted start and end dates. Dates are of fixed duration.

- Enter the start date for the course, and the end date will be populated by the system based on the duration. The calculated end date cannot be changed.
- The reverse is also true. Enter the anticipated end date of the course, and the start date will be populated by the system based on the duration. The calculated start date cannot be changed.
- In the Plan Ahead path, the student can add classes to the planning summary with anticipated start and end dates. The student also has the option to plan for the class without entering start and end dates by selecting the **Not Now** button.
- In the Register for Classes path, when a student registers from a plan and adds classes to the registration summary, existing dates can be changed. Dates must be entered if **Not Now** was selected in the Plan Ahead path

Use the **Confirm** button to save the changes or the **Cancel** button to close the window.

Fields	Descriptions
Title	Course title for the open learning course.
Subject	Course subject for the open learning course.
Course	Course number for the open learning course.
CRN	Course reference number for the open learning course.
Section	Course section number for the open learning course.
Duration	Course duration for the open learning course from SSASECT.
Start Date	Course start date for the open learning course. Permitted start date range is displayed for a standard open learning course. Enter the selected start date for the open learning course, and the end date will be populated.
End Date	Course end date for the open learning course. Permitted end date range is displayed for a standard open learning course. Enter the selected end date for the open learning course, and the start date will be populated.
Cancel	Button used to cancel the changes and close the window.
Confirm	Button used to confirm the changes.

Confirm Your Dates - Brainstorm open learning sections

When you select a term code and you enter a CRN for an open learning course with a user determined override duration that has been entered or added to the registration summary, the Confirm Your Dates window is displayed.

Use this window to confirm the course information with the permitted start and end dates. Dates are of user determined duration. Dates are validated and must be within the permitted date range, or an error is displayed. However, no calculation occurs for either the start date or the end date.

- The student must stay within defined dates for the term, but he/she can choose a begin date and an end date for the section when the **Override Duration** indicator is checked for the section on SSASECT.
- In the Plan Ahead path, the student can add classes to the planning summary with anticipated start and end dates. The student also has the option to plan for the class without entering start and end dates by selecting the **Not Now** button.
- In the Register for Classes path, when a student registers from a plan and adds classes to the registration summary, existing dates can be changed. Dates must be entered if **Not Now** was selected in the Plan Ahead path.

Use the **Confirm** button to save the changes or the **Cancel** button to close the window.

The Overall Page and Field Configuration Page (SOAWSCR) does not contain a configuration option for the Confirm Your Dates window. However, when a date range is chosen on the Select a Term page, you can modify the window display to suppress column for your session. When a term code is chosen on the Select a Term page, the column display cannot be changed.

Fields	Descriptions
Title	Course title for the open learning course.
Subject	Course subject for the open learning course.
Course	Course number for the open learning course.
CRN	Course reference number for the open learning course.
Section	Course section number for the open learning course.
Duration	Course duration for the open learning course from SSASECT. This field displays <code>User Determined</code> for a Brainstorm open learning course that is defined with the Override Duration indicator checked for the section on SSASECT.
Start Date - Permitted Dates, Selected Dates	Permitted start date range is displayed for the open learning course. Enter the selected start date for the open learning course.

Fields	Descriptions
End Date - Permitted Dates, Selected Dates	Permitted end date range is displayed for the open learning course. Enter the selected end date for the open learning course.
Cancel	Button used to cancel the changes and close the window.
Confirm	Button used to confirm the changes.

Confirm Your Selections - standard open learning sections

When open learning classes are selected using a date range option instead of a term code, the following fields are displayed in the Confirm Your Selections window. Date entry will be consistent in both windows. Open learning classes and traditional classes are displayed in this window when they have been selected using a date range search.

Fields	Descriptions
Date Range	Date range in which the open learning course is offered.
Term	Term in which the open learning course is offered.
Title	Course title for the open learning course.
Status	Course registration status for the open learning course.
Details	Course subject code, number, and section number for the open learning course.
Hours	Course credit hours for the open learning course.
Schedule Type	Course schedule type for the open learning course.
CRN	Course reference number for the open learning course.
Duration Unit	Course duration unit for the open learning course, such as weeks, months, and so on. For a standard open learning section, this value exists in the system.
Start Date	Course start date for the open learning course. Permitted start date range is displayed for a standard open learning course. Enter the selected start date for the open learning course, and the end date will be populated.
End Date	Course end date for the open learning course. Permitted end date range is displayed for a standard open learning course. Enter the selected end date for the open learning course, and the start date will be populated.
Study Path	Study path associated with the course.

Fields

Descriptions

Action	<p>Action to be taken for the course, such as register for the course, waitlist the course, remove the course from the summary, drop the course, drop the course with a penalty, or none (no action to be taken), and so on. Select a value from the list.</p> <p>This value comes from the Action Description field on STVRSTS.</p>
Cancel	Button used to cancel the changes and close the window.
Submit	Button used to submit the changes.

Structured registration overview enhancement

The way students view and navigate to the courses they need to register for in structured registration has been enhanced. Breadcrumb navigation has been replaced with a tree view (or outline view) panel for navigation. As a result, the **View** button, **View Section** button, and the **Structure Overview** pop-up window have been removed.

Depending on what the student needs to register for, the tree view can consist of up to three sections: compulsory, optional, and elective. The name of the section is a link to the rule requirements defined in CAPP that govern the student's options in that section. If a specific course is required, the course name is a link to a search results grid that lists the available sections. If a specific class is not required, a link opens the basic search window.

The tree view indicates the requirements that have been met by a check mark within a green circle. Requirements that still need to be met are indicated by a hollow circle, and pending requirements are indicated by a half-shaded circle.

Resolutions

The *Banner Student Self-Service Registration Resolutions Report 9.4* is a companion to this release guide. The Resolutions Report provides summary information about the change requests that are resolved in Banner Student Self-Service Registration 9.4. Use the following steps to access the Resolutions Report on the Ellucian Support Center:

1. Go to the Ellucian Client Support web site: <http://www.ellucian.com/Solutions/Ellucian-Client-Support>.
2. Click the **Ellucian Hub** button to log in to the Ellucian Hub.
3. Choose the Ellucian Download Center application.

or

Choose the Ellucian Support Center application.