

## Data Translations in LYNX

LYNX is a bridge between two separate databases: your student information system (SIS) and 25Live. The same objects exist in both (such as sections, classrooms, subject codes, etc) but may have different names. In order to keep them all related, LYNX maintains a list of rules to *translate* between these two databases.

The Data Translations area of LYNX is where you set up the translation rules between your SIS and 25Live.

SIS Term Codes to 25Live Event Categories				
Translation Rules				
Actions	Qualifier	From SIS Value	To 25Live Value	State
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2019WHFA	Fall 2019	<a href="#">Active</a>
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHSP	Spring 2020	<a href="#">Active</a>
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHSU	Summer 2020	<a href="#">Active</a>
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHFA	Fall 2020	<a href="#">Active</a>
<a href="#">Edit</a> • <a href="#">Delete</a>	Else		Term Code	<a href="#">Active</a>
<div> <a href="#">Add New Rule</a> <a href="#">View Translated Results</a> <a href="#">Back</a> </div>				

*Image: Translation rules in LYNX*

## Adding Translation Rules

To add or change translation rules in LYNX:

1. Log in to LYNX and select **Configuration > Data Translations** from the More menu in the upper right.
2. Double-click the translation group you wish to edit, or select it and click **Edit**.
3. Click **Edit** or **Delete** on any line to modify an existing rule.
4. Click **Add New Rule** in the lower left to create a new rule.
5. Use the boxes provided to select specific items in your SIS or 25Live. LYNX provides suggestions based on what you type.
6. When editing or creating a translation rule, you can make it **inactive**. LYNX will behave as though the rule does not exist, but it is not deleted.

You must [reimport extract sets](#) for any changes to translation rules to take effect. Note, courses/events may not import unless they are part of an active extract set.



### When to revise your translations

Typically you will not need to change anything configured here after your initial installation unless your system has changed. You may occasionally need to modify your data translation rules if:

- Another term code category has been created
- You have new campuses or buildings in your system
- Departments have been added or removed since the last term
- There are new room requirements you want the Schedule25 Optimizer to recognize

Note that all these changes also require data changes in 25Live, so make sure any new data has also been entered in 25Live.

## How Translation Rules Work

All translation rules operate on the same basic principle: **If you see X in the SIS, import it as Y in 25Live**. (The rules are applied in reverse when exporting.) Each translation group in LYNX has two types of rules: those which call out a relationship between specific items, and those which set up a general pattern for everything else to follow.

Typically a single general rule is all that is needed for a LYNX translation group to function.

### SIS Term Codes to 25Live Event Categories

Translation Rules				
Actions	Qualifier	From SIS Value	To 25Live Value	State
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2019WHFA	Fall 2019	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHSU	Spring 2020	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHFA	Summer 2020	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHFA	Fall 2020	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Else		Term Code	Active

[Add New Rule](#)
[View Translated Results](#)

*Image: Rules can be specific or general*

## Specific Rules

Some rules are very precise about what translations they represent. In the example below, the term code **2020WHFA** is translated to the event category **Fall 2020**. This means that every time LYNX encounters this specific term code, it will match it to an exact category in 25Live.



**Add New Translation Rule**

**IF SIS Term Code** Equals 2020WHFA

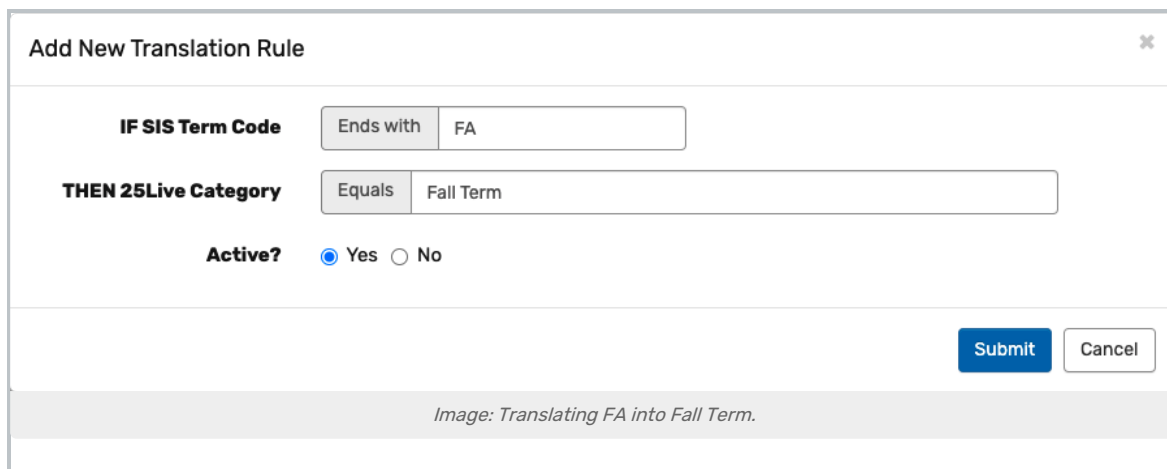
**THEN 25Live Category** Equals Fall 2020

**Active?** ☒ Yes ☐ No

**Submit** **Cancel**

*Image: Translating 2020WHFA into Fall 2020.*

Other rules are slightly broader but still targeted at a specific set of items. In this example, every term code ending in **FA** (such as 2020WHFA, 2021WHFA, 2022WHFA) is translated into the same event category, **Fall Term**. This rule takes care of all fall terms without requiring an administrator to set up a distinct rule for each term code.



**Add New Translation Rule**

**IF SIS Term Code** Ends with FA

**THEN 25Live Category** Equals Fall Term

**Active?** ☒ Yes ☐ No

**Submit** **Cancel**

*Image: Translating FA into Fall Term.*

## General ("Else") Rules

General rules exist as a backup option for all the cases not covered by specific rules. Every set of translation rules has a single rule labeled "Else" which cannot be deleted, only edited. LYNX applies this rule whenever there are no other rules it could use instead.

"Else" rules are set up differently from other rules. Instead of typing in selections for IF and THEN, you make a single selection. The options depend on the data being translated, but generally include:

- No translation (Use when you don't want LYNX to match this data with anything in 25Live)
- SIS data (Most common option; LYNX will look for 25Live data which matches a code or description field in the SIS exactly)
- Specific target (Use when you want to map all SIS data to a single "default" target)

Often an "Else" rule is all you need, most commonly when you have constructed your 25Live data to match your SIS data. In the example below, a single "Else" rule maps a translation between subject codes in the SIS and organization names in 25Live. When LYNX imports sections, it will use organizations whose names exactly match the subject codes.

Edit Translation Rule

Rule ID

272

ELSE option  
(if other rules are not met)

☐ No 25Live Organization  
☒ Subject Code  
☐ Subject Description  
☐ 25Live Organization

Submit

Cancel

Image: Translating subject codes into organization names.

## Previewing Translated Results

Before importing anything to 25Live, you can check your work to make sure that all your translation rules are set correctly.

Click **View Translated Results** below any set of translation rules to open the translation results preview window.

SIS Term Codes to 25Live Event Categories

Translation Rules

Actions	Qualifier	From SIS Value	To 25Live Value	State
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2019WHFA	Fall 2019	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHSP	Spring 2020	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHS	Summer 2020	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Equals	2020WHFA	Fall 2020	Active
<a href="#">Edit</a> • <a href="#">Delete</a>	Else		Term Code	Active

Add New Rule

View Translated Results

Back

Image: Clicking the View Translated Results button.

In the window that appears, you'll see a list of all the original data in the SIS (in this case, term codes) as well as the way LYNX will translate it. The **Valid?** column on the right indicates whether a match is found in 25Live.

SIS Term Codes to 25Live Event Categories		
Translated Results		
From SIS	To 25Live Text	Valid?
2020WHFA (Fall 2020)	Fall 2020	Yes
2020WHSU (Summer 2020)	Summer 2020	Yes
2020WHSP (Spring 2020)	Spring 2020	Yes
2019WHFA (Fall 2019)	Fall 2019	Yes
2019WHSP (Spring 2019)	2019WHSP	No
2019WHSU (Summer 2019)	2019WHSU	No
2020IMFA (Fall 2020)	2020IMFA	No
2020IMSP (Spring 2020)	2020IMSP	No
2020IMSU (Summer 2020)	2020IMSU	No
2020JVFA (Fall 2020)	2020JVFA	No

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*Image: Determining whether translated results are valid.*

## Data Translation Groups

There are over a dozen total translation groups supported by LYNX, but only a few are visible at any given time. LYNX automatically hides any groups which are not relevant to your configuration. (Such as hiding department code translations when you have chosen to use subject codes for your 25Live organizations.)

The full list of translation groups is presented below, along with the SIS types supported by each. (Please note that LYNX Universal supports all translation groups.)

Some SIS data elements can be translated into multiple fields in 25Live; each translation group is managed separately.

SIS Data	25Live Data	SIS Types	Notes
Academic Career Code	Event Category	Campus Solutions  Colleague  Workday	

SIS Data	25Live Data	SIS Types	Notes
Building Code	Location Name	Banner Campus Solutions Colleague	Combines the building code with the (untranslated) room code to match a 25Live location.
Campus Code	Event Category Event Type	All	
Campus Code	Time Zone	All	Only used by multi-campus institutions. See the "how time zones are mapped in 25Live" note on <a href="#">LYNX Settings - General</a> .
Department Code	Organization	All	All SIS types can append campus codes to the organization name. Banner, Campus Solutions, and Universal can append institution codes.
Facility ID (Location)	Location Name	Campus Solutions Workday	
Institution Code	Event Category Event Type	Banner Campus Solutions	
Instructor Role	Contact Role	All	If multiple SIS instructor roles are mapped to the same contact role in 25Live (as with an Else rule), then the first instructor in the SIS will be the only one added in 25Live. An instructor must be mapped to 25Live's built-in "Instructor" contact role in order to bind <a href="#">overlapping sections</a> or <a href="#">back-to-back sections</a> .
Partition Code	Partition Preference	Banner	

SIS Data	25Live Data	SIS Types	Notes
Region Code	Partition Preference Event Type		
Requirement Code	Event Category Feature Preference	Banner Campus Solutions Colleague	Feature preferences are used by the Schedule25 Optimizer.
Section Type Code	Event Type	Banner Campus Solutions Colleague	
Status Code	Event State	All	Allowed event states: <ul style="list-style-type: none"> <li>• Tentative</li> <li>• Confirmed</li> <li>• Cancelled</li> </ul>
Subject Code	Organization	All	Banner, Campus Solutions, and Universal can append institution codes.
Subterm Code	Event Category	Banner Campus Solutions	Known as "Part of Term" in Banner.
Term Code	Event Category	All	In addition to matching specific codes, rules can match Starts With or Ends With.