# Specialization Combinations 

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## Which table are we talking about?

STUDENT_TEST.SPECIALIZATION_COMBINATIONS

| Connections |  | Add |
| :---: | :---: | :---: |
| hana.uky.edu SAP HANA |  |  |
| Schema |  |  |
| STUDENT_TEST |  | $\checkmark$ |
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## Why use this table?

- View all majors or minors a student has on record
- View students' options and specialties for a certain major or minor
- View student majors for a particular minor or option
- View students without options or specialties on record but who have majors that require them


## How do I use this table?

- Functions very similarly to STUDENT.CLASS_PAIRS
- Each field (with a few exceptions like Academic Term) has 1 and 2
- Using filters, Set [Field] 1 to the limit you want to place and then apply limits for [Field(s)] 2


## Example: How many current Theatre Majors are also English Majors?

Step 1 - Limit Specialization 1 to "Theatre" and Specialization Level 1 to "Major" and Academic Term to "Spring 2017" and Effective Time Point to "Census Date"


## Example: How many current Theatre Majors are also English Majors?

Step 2 - Limit Specialization 2 to "English" and Specialization Level 2 to "Major"

| Pages | iii Columns | Academic Term |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | : $=$ Rows | Specialization 1 | Specialization Leve | Specialization 2 | Specialization Level 2 |
| Filters | Theatre \& English |  |  |  |  |
| Academic Term: Spring 2017 |  |  |  | Academic Term |  |
| Specialization 1: Theatre | Specialization 1 | Specialization Level 1 | Specialization 2 |  |  |
| Specialization Level 1: Major | Specialization 1 |  |  | Specialization Level 2 | Spring 2017 |
| Effective Time Point: Census Date |  |  |  |  |  |
| Specialization 2: English |  |  |  |  |  |
| Specialization Level 2: Major |  |  |  |  |  |

## Example: How many current Theatre Majors are also English Majors?

Step 3 - Distinct count of "Student Id" to see how many students match the filters

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## Example: How many current Theatre Majors are also English Majors?

Be sure to use a distinct count of students and not the Number of Records measure to count the students using this table.

A sum of Number of Records will return a value of 10 for this example, instead of the true number of 5 students, because there is one record for the Theatre major and one record for the English major.

## Example: International Studies Options \& Specialties

Step 1 - Limit Specialization 1 to "International Studies" and Specialization Level 1 to "Major" and Academic Term to "Spring 2017" and Effective Time Point to "Census Date"


## Example: International Studies Options \& Specialties

Step 2 - Limit Specialization Level 2 to "Option" and "Specialties"


## Example: International Studies Options \& Specialties

Step 3 - Drag Specialization 2 pill to Rows to populate list of specializations

| iii Columns Academic Term | Academic Term |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| : R Rows Sp | Specialization 1 | Specialization Level 1 | Specialization Level 2 Specialization 2 |  |
| Sheet 2 |  |  |  |  |
|  |  |  |  | Academic Term |
| Specialization 1 | Specialization Level 1 | Specialization Level 2 | Specialization 2 | Spring 2017 |
| International Studies | Major | Option | Arabic and \|slamic Studies | Abc |
|  |  |  | Chinese | Abc |
|  |  |  | Chinese Studies | Abc |
|  |  |  | Classics | Abc |
|  |  |  | Comparative Politics \& Societies | Abc |
|  |  |  | Culture and the Arts | Abc |
|  |  |  | Economics | Abc |
|  |  |  | Folklore \& Mythology | Abc |
|  |  |  | French and Francophone Studies | Abc |
|  |  |  | Frgn Lang \& International Eco - Spanish | Abc |
|  |  |  | German Studies | Abc |
|  |  |  | Global Development | Abc |
|  |  |  | Human Communication | Abc |
|  |  |  | Human Rights and Social Movements | Abc |
|  |  |  | Imaginative Writing | Abc |
|  |  |  | International Development | Abc |
|  |  |  | International Relations | Abc |
|  |  |  | Islamic Studies | Abc |
|  |  |  | Italian | Abc |
|  |  |  | Japan Studies | Abc |
|  |  |  | Print Multimedia | Abc |
|  |  |  | Russian Studies | Abc |
|  |  |  | Spanish (General) | Abc |
|  |  |  | Spanish Language \& Linguistics | Abc |
|  |  |  | Spanish Literature \& Culture | Abc |
|  |  | Specialties | Africa and the Middle East | Abc |
|  |  |  | East, South and Southeast Asia | Abc |
|  |  |  | Europe | Abc |
|  |  |  | Latin America | Abc |
|  |  |  | Russia and Eurasia | Abc |

## Example: International Studies Options \& Specialties

Step 4 - To limit Specialization 2 to only those in International Studies, filter Specialization Department 2 to "International Studies"


## Example: International Studies Options \& Specialties

Step 5 - Distinct count of "Student Id" to see how many students match the filters

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| Abc Measure Names |  |  |  |



## Example: International Studies Options \& Specialties

This is a good table to use to check for data errors.
On the previous slide, we see one student with a "Frgn Lang \& International Eco - Spanish" option. This is an option code that is no longer used, so this option should be corrected in SAP to the correct option code for students pursuing a Spanish option in the Foreign Languages and International Economics major (which moved departments from International Studies to Modern and Classical Languages Literatures and Cultures).

Look for options and specialties with only one or two students. This may indicate a data error, but could also be due to an option or specialty being less popular than others (as is the case with International Development, International Relations and Human Rights and Social Movements).

## Example: International Studies Options \& Specialties

Also note that Specializations with no students in them will not populate in Tableau.
International Studies also offers International Commerce and Global Environment as options, but there are no students enrolled in these programs for the Spring 2017 semester (as of the Effective Time Point of the Census Date).

## Workbooks with Visualizations

https://analytics.uky.edu/\#/workbooks?tag=SpecializationsCombo

Hispanic Studies Dashboards is available in Analytics Community of Practice folder as an example.

## Questions?

Contact Michelle Combs at michelle.combs@uky.edu or 257-3593

