

Business Intelligence Team  
Presents

Official Enrollment (Majors 1-4) Training

Last Updated: 3/23/16

## Table of Contents

Introduction .....	3
Dashboard Location .....	3
Components of Dashboard Reports.....	4
Dashboard Page Descriptions .....	6
Student Counts by College and Campus Grouping .....	6
Number of Degrees Pursued By Degree Type .....	8
Number of Degrees Pursued By Academic College .....	9
Number of Majors Pursued By Degree Type .....	10
Number of Majors Pursued By Department .....	11
Top Ranked Non-Primary Majors (Majors 2-4).....	12
Student Examples .....	14
Example: Student 1 .....	14
Example: Student 2 .....	16
Example: Student 3 .....	18
Contact.....	19

## Introduction

### Dashboard Location

Once logged into iTwo, navigate to the Official Enrollment (Majors 1-4) Dashboard by drilling to Dashboards → Student and Instruction → Official Enrollment (Majors 1-4).



All reports in the Official Enrollment (Majors 1-4) Dashboard use the OFCL – Official Student Enrollment Data. However, these dashboards are separate from the University Budget Office dashboards because the Majors 1-4 dashboards do not contain officially reported data. Users who have access to view the University Budget Office’s Official Enrollment Dashboard will have access to run the Student and Instruction’s Official Enrollment (Majors 1-4) Dashboard. These reports are for internal University Reporting only and should not be used as “Official” reports for external use.

Currently, the Official Enrollment (Majors 1-4) dashboard defaults to the Table of Contents page.

<b>Students</b>
<a href="#">Student Counts by College and Campus Grouping</a>
<b>Degrees</b>
<a href="#">Number of Degrees Pursued by Degree Type</a>
<a href="#">Number of Degrees Pursued By Academic College</a>
<b>Majors</b>
<a href="#">Number of Majors Pursued By Degree Type</a>
<a href="#">Top Ranked Non-Primary Majors (Majors 2-4)</a>
<a href="#">Number of Majors Pursued By Department</a>

With the addition of Majors 2-4 data from ISIS into the Data Warehouse and the OFCL- Student Enrollment metadata, reports can now be run against all students pursuing a major or a degree, regardless of whether it is the first or the fourth. The available reports are broken down into three basic categories: Students, Degrees, and Majors.

**Students:** Each student is counted once, regardless of how many degrees or majors they have.

**Degrees:** Each degree is counted, regardless of whether the same student is pursuing multiple degrees. DUAL title degrees are filtered out for Degree counts in these dashboard pages. This follows the same logic used by the University Budget Office when reporting degrees conferred for national surveys.

**Majors:** Each major/program is counted, regardless of whether the same student is pursuing multiple majors. Dual title programs are counted as a major.

## Components of Dashboard Reports

Each report is comprised of the following components:

### 1. Title/Main question being addressed in the report

The question guides the interpretation of the report. This tells the user what they are seeing.

**Official Enrollment (Majors 1-4): Number of Majors Pursued By Degree Type**  
How many majors are being pursued across the University and at what level?

### 2. Prompts

Prompts allow users to modify the report to meet their specific needs. All of the Dashboard pages have some or all of the following prompts.

Semester Abbrv	Campus Grouping	Campus	Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Degree Type (Majors 1-4)	Apply	Reset
FA15	--Select Value--	UNIVERSITY PARK	--Select Value--	--Select Value--	Baccalaureate;Doctor		

The Semester is defaulted to Fall 2015. The Campus prompt is defaulted based on the user's campus.

The Degree Type prompt is defaulted to the following degree types:

**Degree Type (Majors 1-4)**

Baccalaureate;Gradu

- (All Column Values)
- Associate
- Baccalaureate
- Doctorate
- Graduate Degree
- Graduate Non-Degree
- Law
- Masters

Search...

### 3. Analysis (Not shown)

The data returned after the dashboard prompts are applied.

### 4. Filters

Semester Abbrv is equal to **FA15**  
and Degree Type (Majors 1-4) is equal to **Baccalaureate, Doctorate, Masters, Graduate Degree**  
and Campus is equal to **UNIVERSITY PARK**

Filters are displayed at the bottom of the report so users can easily see what criteria are used in the report.

### 5. Links

[Analyze](#) - [Export](#)

Analyze: Users with the appropriate permissions/training can use this link to make modifications and save a personal copy of the report.

Export: Using this link, users will be able to export the reports as needed to Excel, PDF, or other formats.

### 6. Notes section

The Notes section includes a wide range of information to help the users better understand the new fields used in the reports. The following items can be found in this section:

**Column Descriptions**: The column descriptions provide further details of what each column in the report represents to help users understand the data better.

**Examples**: Examples of where students are counted based on College, Degree, and Majors.

**Source**: The specific data source for the Official Enrollment (Majors 1-4) dashboard pages is the OFCL – Official Student Enrollment frozen at the 6 week mark by the Budget Office data. The OFCL – Official Student Enrollment now includes Majors 1-4 data.

**Developer's Notes**: This section provides developers with the Fact names as a reference for the fields used in these reports.

### 7. Page ID

**Page ID: OSE-107**

The purpose of the Page ID is to identify each individual report.

**Note: Primary versus Non-Primary**

Before taking a closer look at the columns in the analyses, we first want to clarify the difference between “Primary” versus non-primary. Primary college/degree/major is the college/degree/major filling the college/degree/major1 slot in the data warehouse and in ISIS. A non-primary college/degree/major is any major that is not in the college/degree/major1 slot (associated with major(s) 2-4).

## Dashboard Page Descriptions

### Student Counts by College and Campus Grouping

**Official Enrollment (Majors 1-4): Student Counts by College and Campus Grouping**  
How many of our students have more than one major in the college and how many outside students are we supporting?

**Semester Abbr**    **Campus Grouping**    **Campus**    **Academic College Grouping (Majors 1-4)**  
 FA15    --Select Value--    UNIVERSITY PARK    --Select Value--    Apply    Reset v

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Campus Grouping	Only 1 Major within the Primary College	More than 1 Major within the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Student Count
UP Colleges	AGRICULTURAL SCIENCES	University Park	11,989	28	25	12,042
	ARTS AND ARCHITECTURE	University Park	1,813	28	25	1,866
	BUSINESS	University Park	12,066	84	72	12,222
	COMMUNICATIONS	University Park	12,172	1	21	12,194
	EARTH AND MINERAL SCIENCES	University Park	1,175	28	21	1,224
	EDUCATION	University Park	12,070	88	22	12,180
	ENGINEERING	University Park	12,029	88	22	12,139
	HEALTH AND HUMAN DEVELOPMENT	University Park	11,786	23	25	11,834
	INFORMATION SCIENCES AND TECHNOLOGY	University Park	11,749	51	80	11,880
	NURSING	University Park	1,841	1	1	1,843
	SCHOOL OF INTERNATIONAL AFFAIRS	University Park	86	1	21	108
	SCIENCE	University Park	12,029	23	25	12,077
	THE LIBERAL ARTS	University Park	11,175	289	289	11,753
	Division of Undergraduate Studies	DIVISION OF UNDERGRADUATE STUDIES	University Park	12,066	1	1
Other Areas	ALTOONA COLLEGE	University Park	1	1	1	3
	BEHREND COLLEGE	University Park	1	1	1	3
	BERKS COLLEGE	University Park	1	1	1	3
	CAPITAL COLLEGE	University Park	1	1	1	3
	GRADUATE NON-DEGREE	University Park	86	1	1	88
	INTERCOLLEGE GRADUATE PROGRAMS	University Park	1	1	227	229
	INTERCOLLEGE UNDERGRADUATE PROGRAMS	University Park	1	1	1	3
	UNDERGRADUATE NON-DEGREE	University Park	86	1	1	88
Law	DICKINSON SCHOOL OF LAW	University Park	1	1	1	3
Medical	COLLEGE OF MEDICINE	University Park	1	1	1	3
<b>Grand Total</b>			<b>120,664</b>	<b>1,229</b>	<b>1,241</b>	<b>122,134</b>

Campus is equal to UNIVERSITY PARK  
and Semester Abbrv is equal to FA15

[Analyze](#) - [Export](#)

The problem of counting students in a college was solved by adding new measures to the data structure and by separating those students enrolled once versus multiple times in a college. Let’s take a closer look at the columns available on the Student Counts by College and Campus Grouping report:

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Only 1 Major within the Primary College	More than 1 Major within the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Student Count
UP Colleges	AGRICULTURAL SCIENCES	2,180	34	25	2,239
	ARTS AND ARCHITECTURE	1,340	20	26	1,386
	BUSINESS	1,536	180	8	1,724

The first column counts only those students who have their primary major in the college and who do not have a non-primary major in the college. They could have a non-primary major in another college, in which case they will be counted in column 3 for that college.

Column 2 counts those who have more than one major in the college. When you add columns 1 and 2 together, you will get the College's official enrollment number.

Column 3 counts all those "invisible" students whose primary major lies elsewhere and who are not credited to the college for official counting.

Column 4 is the total student count, or the total number of students who have an enrollment in the college.

One thing to note, we do not have filters for Degree Type on the Student Count report. Doing so avoids double counting issues when students have more than one degree.

## Number of Degrees Pursued By Degree Type

**Official Enrollment (Majors 1-4): Number of Degrees Pursued By Degree Type**  
How many degrees are being pursued across the University and at what level?

Semester Abbrv: FA15 | Campus Grouping: --Select Value-- | Campus: UNIVERSITY PARK | Academic College Grouping (Majors 1-4): --Select Value-- | Degree Type (Majors 1-4): Baccalaureate;Doctor | Apply Reset

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Degree Type (Majors 1-4)	Total Degree Count
UP Colleges	AGRICULTURAL SCIENCES	Baccalaureate	1,234
		Doctorate	56
		Masters	78
	ARTS AND ARCHITECTURE	Baccalaureate	1,567
		Doctorate	89
		Masters	123
	BUSINESS	Baccalaureate	2,345
		Doctorate	101
		Masters	156
	COMMUNICATIONS	Baccalaureate	1,890
		Doctorate	92
		Masters	134
	EARTH AND MINERAL SCIENCES	Baccalaureate	1,123
		Doctorate	67
		Masters	98
	EDUCATION	Baccalaureate	1,678
		Doctorate	75
		Masters	112
	ENGINEERING	Baccalaureate	2,101
		Doctorate	113
		Masters	167
	HEALTH AND HUMAN DEVELOPMENT	Baccalaureate	1,456
		Doctorate	84
		Masters	129
INFORMATION SCIENCES AND TECHNOLOGY	Baccalaureate	1,789	

Rows 1 - 25

Semester Abbrv is equal to **FA15**  
**and** Campus is equal to UNIVERSITY PARK  
**and** Degree Code (Majors 1-4) - Source is not equal to / is not in **NDUAL**  
**and** Degree Type (Majors 1-4) is equal to **Baccalaureate, Doctorate, Graduate Degree, Masters**

[Analyze](#) - [Export](#)

This dashboard shows the degree level by college. Note that the DUAL title degrees are filtered out.

NDUAL Degree Types (known as Dual Title Degrees) are not actually degrees. These are Graduate students receiving 1 Degree with 2 separate titles on their diploma.

For example, take Industrial Engineering and Operations Research. Operations Research is the Dual title program. A student can receive a standalone degree in Industrial Engineering, but they cannot get a separate standalone degree in Operations Research.

The Budget Office only counts the Industrial Engineering in their degrees conferred for reporting. Trying to use similar logic in these dashboards, the NDUAL Degrees are filtered out in these analyses.

If a user needs to report on the Dual Degrees as well, users with the appropriate permissions can click the Analyze link below the filters to modify the report as needed. These DUAL title programs are not included in the Majors count dashboards.

### Number of Degrees Pursued By Academic College

**Official Enrollment (Majors 1-4): Number of Degrees Pursued By Academic College**  
How many degrees are being pursued within each Academic College?

**Semester Abbrv**  
FA15

**Campus Grouping**  
--Select Value--

**Campus**  
UNIVERSITY PARK

**Academic College Grouping (Majors 1-4)**  
--Select Value--

**Degree Type (Majors 1-4)**  
Baccalaureate;Doctor

Apply Reset

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Only 1 Degree within the Primary College	More than 1 Degree within the Primary College	Primary Degree Elsewhere: Degrees 2-4 within College	Total Degree Count
UP Colleges	AGRICULTURAL SCIENCES	11,000	0	0	11,000
	ARTS AND ARCHITECTURE	11,000	0	0	11,000
	BUSINESS	11,000	0	0	11,000
	COMMUNICATIONS	11,000	0	0	11,000
	EARTH AND MINERAL SCIENCES	11,000	0	0	11,000
	EDUCATION	11,000	0	0	11,000
	ENGINEERING	11,000	0	0	11,000
	HEALTH AND HUMAN DEVELOPMENT	11,000	0	0	11,000
	INFORMATION SCIENCES AND TECHNOLOGY	11,000	0	0	11,000
	NURSING	11,000	0	0	11,000
	SCHOOL OF INTERNATIONAL AFFAIRS	11,000	0	0	11,000
	SCIENCE	11,000	0	0	11,000
	THE LIBERAL ARTS	11,000	0	0	11,000
Division of Undergraduate Studies	DIVISION OF UNDERGRADUATE STUDIES	11,000	0	0	11,000
Other Areas	ALTOONA COLLEGE	11,000	0	0	11,000
	BEHREND COLLEGE	11,000	0	0	11,000
	BERKS COLLEGE	11,000	0	0	11,000
	CAPITAL COLLEGE	11,000	0	0	11,000
	INTERCOLLEGE GRADUATE PROGRAMS	11,000	0	0	11,000
	INTERCOLLEGE UNDERGRADUATE PROGRAMS	11,000	0	0	11,000
Medical	COLLEGE OF MEDICINE	11,000	0	0	11,000
<b>Grand Total</b>		11,000	0	0	11,000

Semester Abbrv is equal to **FA15**  
**and** Campus is equal to UNIVERSITY PARK  
**and** Degree Code (Majors 1-4) - Source is not equal to / is not in **NDUAL**  
**and** Degree Type (Majors 1-4) is equal to **Baccalaureate, Doctorate, Masters, Graduate Degree**

[Analyze](#) - [Export](#)

Similar to the previous dashboard, Number of Degrees Pursued By Degree Type Report, Dual title degrees are not included in this analysis.

This dashboard focuses on the breakdown of people pursuing one or multiple degrees in the college (as well as students pursuing non-primary degrees).

## Number of Majors Pursued By Degree Type

**Official Enrollment (Majors 1-4): Number of Majors Pursued By Degree Type**  
 How many majors are being pursued across the University and at what level?

Semester Abbrv	Campus Grouping	Campus	Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Degree Type (Majors 1-4)	
FA14	--Select Value--	UNIVERSITY PARK	--Select Value--	--Select Value--	Baccalaureate;Doctor	Apply Reset

Major (Majors 1-4)	Degree Type (Majors 1-4)	Total Major Count
ACCOUNTING	Baccalaureate	
	Masters	
ACOUSTICS	Doctorate	
	Masters	
ACTUARIAL SCIENCE	Baccalaureate	
ADMISSIONS USE ONLY-GOLF OPT	Baccalaureate	
ADULT EDUCATION	Doctorate	
ADVERTISING/PUBLIC RELATIONS	Baccalaureate	
AEROSPACE ENGINEERING	Baccalaureate	
	Doctorate	
	Masters	
AFRICAN AMERICAN AND DIASPORA STUDIES	Doctorate	
AFRICAN AMERICAN STUDIES	Baccalaureate	
AFRICAN STUDIES	Baccalaureate	
	Doctorate	
AGRIBUSINESS MANAGEMENT	Baccalaureate	
AGRICULTURAL AND BIOLOGICAL ENGINEERING	Doctorate	
	Masters	
AGRICULTURAL AND EXTENSION EDUCATION	Baccalaureate	
	Doctorate	
	Masters	
AGRICULTURAL SCIENCE	Baccalaureate	
AGRICULTURAL SYSTEMS MANAGEMENT	Baccalaureate	
AGRICULTURAL, ENVIRONMENTAL AND REGIONAL ECONOMICS	Doctorate	
	Masters	

Rows 1 - 25

Semester Abbrv is equal to **FA14**  
**and** Degree Type (Majors 1-4) is equal to **Baccalaureate, Doctorate, Masters, Graduate Degree**  
**and** Campus is equal to **UNIVERSITY PARK**

[Analyze - Export](#)

This dashboard counts the number of majors by degree type. For users interested in reporting on Dual title programs, NDUAL major enrollments are counted in the Majors dashboard pages (Discussed below).

## Number of Majors Pursued By Department

### Official Enrollment (Majors 1-4): Number of Majors Pursued By Department

How many majors are being pursued in each department?

**Semester Abbrv**

**Campus Grouping**

**Campus**

**Academic College Grouping (Majors 1-4)**

**Academic College (Majors 1-4)**

**Degree Type (Majors 1-4)**

Academic Department (Majors 1-4)	Major Code (Majors 1-4)	Degree Type (Majors 1-4)	Only 1 Major in the Primary College	More than 1 Major in the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Major Count
ACCOUNTING	ACCTG	Baccalaureate	100	100	0	200
		Masters	0	0	0	0
<b>ACCOUNTING Total</b>			<b>100</b>	<b>100</b>	<b>0</b>	<b>200</b>
ACOUSTICS	ACS	Doctorate	0	0	0	0
		Masters	0	0	0	0
<b>ACOUSTICS Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ADMINISTRATION OF JUSTICE	CRIM	Doctorate	0	0	0	0
		Masters	0	0	0	0
	CRMA	Baccalaureate	0	0	0	0
	CRMS	Baccalaureate	0	0	0	0
<b>ADMINISTRATION OF JUSTICE Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
AEROSPACE ENGINEERING	AERSP	Baccalaureate	0	0	0	0
		Doctorate	0	0	0	0
		Masters	0	0	0	0
<b>AEROSPACE ENGINEERING Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
AFRICAN AMERICAN STUDIES	AA ST	Baccalaureate	0	0	0	0
	AFAMD	Doctorate	0	0	0	0
	AFRST	Baccalaureate	0	0	0	0
		Doctorate	0	0	0	0
<b>AFRICAN AMERICAN STUDIES Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
AGRICULTURAL AND BIOLOGICAL ENGINEERING	A S M	Baccalaureate	0	0	0	0
	ABENG	Doctorate	0	0	0	0
		Masters	0	0	0	0
	B E	Baccalaureate	0	0	0	0
	BRS	Baccalaureate	0	0	0	0

Rows 1 - 25

Campus Grouping is equal to / is in **University Park**  
**and** Semester Abbrv is equal to **FA15**  
**and** Degree Type (Majors 1-4) is equal to **Baccalaureate, Graduate Degree, Doctorate, Masters**  
**and** Campus is equal to **UNIVERSITY PARK**

[Analyze](#) - [Export](#)

This dashboard counts the number of majors pursued in each department by major and degree type. The columns include counts for student pursuing one or more majors within the department. NDUAL enrollments are counted as a major in the Majors dashboard pages.

## Top Ranked Non-Primary Majors (Majors 2-4)

**Official Enrollment (Majors 1-4): Top Ranked Non-Primary Majors (Majors 2-4)**  
What other majors are students choosing if they have more than one?

Semester Abbrv: FA15    Campus Grouping: --Select Value--    Campus: UNIVERSITY PARK    Academic College (Majors 1-4): (All Column Values)    Degree Type (Majors 1-4): Baccalaureate;Doctoral    Apply Reset

Select View: Ordered By Rank

Rank	Major (Majors 1-4)	Major Code (Majors 1-4)	Academic College Code (Majors 1-4)	Total Student Count
1	FINANCE	FIN	BA	
2	ACCOUNTING	ACCTG	BA	
3	ECONOMICS	ECLBS	LA	
4	DEMOGRAPHY	DEMOG	ID	
4	NUCLEAR ENGINEERING	NUC E	EN	
6	INFORMATION SCIENCES AND TECHNOLOGY	ISTBS	IS	
7	COMPARATIVE AND INTERNATIONAL EDUCATION	CI ED	ED	
8	MECHANICAL ENGINEERING	M E	EN	
9	ARCHITECTURAL ENGINEERING	A E	EN	
10	OPERATIONS RESEARCH	O R	ID	
11	MATHEMATICS	MTHBS	SC	
11	POLITICAL SCIENCE	PL SC	LA	
13	PSYCHOLOGY	PSYBA	LA	
14	WOMEN'S STUDIES	WMNST	LA	
15	SECURITY AND RISK ANALYSIS	SRA	IS	
16	GLOBAL AND INTERNATIONAL STUDIES	GLOBE	LA	
17	CURRICULUM AND INSTRUCTION	C I	ED	
17	ENGLISH	ENGL	LA	
17	HEALTH POLICY AND ADMINISTRATION	H P A	HH	
17	PSYCHOLOGY	PSYBS	LA	
17	SPANISH	SPNBA	LA	

[Analyze](#) - [Export](#)

Semester Abbrv is equal to **FA15**  
**and** Degree Type (Majors 1-4) is equal to **Baccalaureate, Doctorate, Masters, Graduate Degree**  
**and** Major is the Primary Major (Majors 1-4) is equal to / is in **N**  
**and** Campus is equal to UNIVERSITY PARK

The Top Ranked Non-Primary Majors (Majors 2-4) report ranks the top majors in which students are getting secondary degrees in.

Note in the filters, all of the major 1's are filtered out by setting the Primary Major (Majors 1-4) to **N**.

Semester Abbrv is equal to **FA14**  
**and** Degree Type (Majors 1-4) is equal to **Baccalaureate, Doctorate, Masters, Graduate Degree**  
**and** Major is the Primary Major (Majors 1-4) is equal to / is in **N**  
**and** Campus is equal to UNIVERSITY PARK

These are the two views available for the Top Ranked non-Primary Majors.

Select View: Ordered By Rank

- Ordered By Rank
- Ordered By College and Rank

The first view (in screenshot above) is the top 20, ordered by rank.

The second view is ordered by college and then rank, allowing colleges to see all of their ranked majors in one place.

Select View: Ordered By College and Rank ▾

Academic College Code (Majors 1-4) ▲ ▾	Rank	Major (Majors 1-4)	Major Code (Majors 1-4)	Total Student Count
BA	1	FINANCE	FIN	
	2	ACCOUNTING	ACCTG	
ED	7	COMPARATIVE AND INTERNATIONAL EDUCATION	CI ED	
	17	CURRICULUM AND INSTRUCTION	C I	
EN	4	NUCLEAR ENGINEERING	NUC E	
	8	MECHANICAL ENGINEERING	M E	
	9	ARCHITECTURAL ENGINEERING	A E	
HH	17	HEALTH POLICY AND ADMINISTRATION	H P A	
ID	4	DEMOGRAPHY	DEMOG	
	10	OPERATIONS RESEARCH	O R	
IS	6	INFORMATION SCIENCES AND TECHNOLOGY	ISTBS	
	15	SECURITY AND RISK ANALYSIS	SRA	
LA	3	ECONOMICS	ECLBS	
	11	POLITICAL SCIENCE	PL SC	
	13	PSYCHOLOGY	PSYBA	
	14	WOMEN'S STUDIES	WMNST	
	16	GLOBAL AND INTERNATIONAL STUDIES	GLOBE	
	17	ENGLISH	ENGL	
	17	PSYCHOLOGY	PSYBS	
	17	SPANISH	SPNBA	
SC	11	MATHEMATICS	MTHBS	

If two majors have the same number of students enrolled, they will be listed as the same rank, this is shown below.

Select View: Ordered By Rank ▾

▲ ▾	Major (Majors 1-4)	Major Code (Majors 1-4)	Academic College Code (Majors 1-4)	Total Student Count
1	ACCOUNTING	ACCTG	BA	
2	ECONOMICS	ECLBS	LA	
3	NUCLEAR ENGINEERING	NUC E	EN	
4	DEMOGRAPHY	DEMOG	ID	
5	COMPARATIVE AND INTERNATIONAL EDUCATION	CI ED	ED	
6	MECHANICAL ENGINEERING	M E	EN	
7	WOMEN'S STUDIES	WMNST	LA	
8	MATHEMATICS	MTHBS	SC	
9	OPERATIONS RESEARCH	O R	ID	
10	POLITICAL SCIENCE	PL SC	LA	
11	INFORMATION SCIENCES AND TECHNOLOGY	ISTBS	IS	
12	ARCHITECTURAL ENGINEERING	A E	EN	
12	CURRICULUM AND INSTRUCTION	C I	ED	
14	FINANCE	FIN	BA	
14	PSYCHOLOGY	PSYBA	LA	
16	SPANISH	SPNBA	LA	
17	INTERNATIONAL POLITICS	INTPL	LA	
18	ENGLISH	ENGL	LA	
19	SECURITY AND RISK ANALYSIS	SRA	IS	
20	HISTORY	HIST	LA	
20	PSYCHOLOGY	PSYBS	LA	

3

1

2

For example:

Rank 12 (highlighted in 1) is tied between Architectural Engineering and Curriculum and Instruction with x number of students. These 2 programs represent spots 12 and 13, but show Rank as 12.

The next available rank is 14 (highlighted in 2) which is tied between Finance and Psychology (14 and 15). The next available rank is 16: Spanish.

Please note that the Total Student Count is unduplicated headcount. So, if a student is receiving a Master’s and a Doctorate in the Demography dual title program, the student is only counted once in the Total Student Count (highlighted in 3).

## Student Examples

In the following examples, we will look at 3 students and their College/Degree/Major record from ISIS for a single semester. For each student, we will demonstrate which columns they fall under in the Official Enrollment (Majors 1-4) dashboard reports.

### Example: Student 1

	College	Degree	Major
A	BA	B S	ACCTG
B	LA	B S	ECLBS
C	BA	M ACC	ACCTG

Student 1 is pursuing both a Bachelor’s and Master’s in Accounting and a secondary Bachelor’s in Economics.

### Student 1’s Student Counts by College and Campus Grouping:

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Campus Grouping	Only 1 Major within the Primary College	More than 1 Major within the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Student Count
UP Colleges	BUSINESS	University Park	0	A C	1	0
	THE LIBERAL ARTS	University Park	0	0	B	1
<b>Grand Total</b>			<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

Even though Student 1 has two Majors in the Smeal College of Business (a Bachelor’s<sup>A</sup> and Master’s<sup>C</sup> degree), they are only counted once. However, Student 1 falls under the category of “More than 1 Major within the Primary College” because both major 1<sup>A</sup> and major 3<sup>C</sup> are in Smeal (Business).

As for the degree in Economics<sup>B</sup>, the student is counted under the College of the Liberal Arts within the column “Primary Major Elsewhere: Majors 2-4 in College”.

Notice that the Total Student Count/Grand Total only shows 1. This is the unique headcount of the student, regardless of the colleges/degrees/majors the student is pursuing.

**Number of Degrees Pursued By Degree Type:**

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Degree Type (Majors 1-4)	Total Degree Count
UP Colleges	BUSINESS	Baccalaureate	Ⓐ 1
		Masters	Ⓒ 1
	THE LIBERAL ARTS	Baccalaureate	Ⓑ 1
<b>Grand Total</b>			<b>3</b>

When we look at the number of degrees pursued for the same student, we notice that Degree 1 Ⓐ is counted for The Smeal College of Business under Baccalaureate category. Degree 2 Ⓑ, Bachelor’s in Economics, is counted for the College of the Liberal Arts under Baccalaureate.

Degree 3 Ⓒ, the Master’s in Accounting, is counted for Smeal (Business) under Masters.

One thing to note, if we did not have the Degree Type Column here, Degree Count for Smeal (Business) would be 2 (Ⓐ and Ⓒ) and Degree Count for Liberal Arts would be 1 (Ⓑ).

The second Degrees Pursued report/analysis shows exactly that.

**Number of Degrees Pursued By Academic College:**

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Only 1 Degree within the Primary College	More than 1 Degree within the Primary College	Primary Degree Elsewhere: Degrees 2-4 within College	Total Degree Count
UP Colleges	BUSINESS	0	Ⓐ Ⓒ 2	0	2
	THE LIBERAL ARTS	0	0	Ⓑ 1	1
<b>Grand Total</b>		<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>

Since the student has two Degrees in the Smeal (Business), a Bachelor’s Ⓐ and Master’s Ⓒ, the Degree count shows as 2 in the “More than 1 Degree within the Primary College” column.

The student has only one Degree Ⓑ in the Liberal Arts, and the student’s primary degree (Degree 1) is in Smeal (Business), this Degree count shows as 1 in the “Primary Degree Elsewhere: Degrees 2-4 within College” column.

Notice that the degree count is the total number of Degrees listed in the table above: 3.

### Number of Majors Pursued By Degree Type:

Major (Majors 1-4)	Degree Type (Majors 1-4)	Total Major Count
ACCOUNTING	Baccalaureate	<b>A</b> 1
	Masters	<b>C</b> 1
ECONOMICS	Baccalaureate	<b>B</b> 1
<b>Grand Total</b>		<b>3</b>

When we look at the number of majors pursued for the same student, we notice that Major 1 is counted for Accounting under Baccalaureate **A**.  
 Major 2 is counted for Economics under Baccalaureate **B**.  
 Major 3 is counted for Accounting under Masters **C**.

### Number of Majors Pursued By Department:

Academic Department (Majors 1-4)	Major Code (Majors 1-4)	Degree Type (Majors 1-4)	Only 1 Major in the Primary College	More than 1 Major in the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Major Count
ACCOUNTING	ACCTG	Baccalaureate	0	<b>A</b> 1	0	1
		Masters	0	<b>C</b> 1	0	1
<b>ACCOUNTING Total</b>			<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
ECONOMICS	ECLBS	Baccalaureate	0	<b>B</b> 0	1	1
<b>ECONOMICS Total</b>			<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>Grand Total</b>			<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>

Since the student has two majors in Accounting, a Bachelor's and Master's, the Accounting Total shows as 2 in Subtotal by Department under the "More than 1 Major in the Primary College" column.

The student has only one major in Economics, and it is not the student's primary major (major 1). This major count shows as 1 in the "Primary Major Elsewhere: Major 2-4 in College" column.

Notice that the Grand Total/Total Major Count for this student is 3.

### Example: Student 2

	College	Degree	Major
<b>A</b>	BA	B S	ACCTG
<b>B</b>	BA	B S	FIN
<b>C</b>	BA	M ACC	ACCTG

### Student 2's Student Counts by College Campus Grouping:

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Campus Grouping	Only 1 Major within the Primary College	More than 1 Major within the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Student Count
UP Colleges	BUSINESS	University Park	0	<b>A B C</b> 1	0	1
<b>Grand Total</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

Student 2 has three degrees and three majors in the Smeal College of Business.

The student will only appear once in the “More than 1 Major within the Primary College” column.

**Number of Degrees Pursued By Degree:**

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Degree Type (Majors 1-4)	Total Degree Count
UP Colleges	BUSINESS	Baccalaureate	A B 2
		Masters	C 1
<b>Grand Total</b>			<b>3</b>

Notice Student 2 has two Baccalaureate degrees in Smeal (Business) (A and B), and one Masters degree in Smeal (Business)(C).

If we look at just the degrees, we see that the student has 3 degrees, all in the Smeal College of Business.

**Number of Degrees Pursued By Academic College:**

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Only 1 Degree within the Primary College	More than 1 Degree within the Primary College	Primary Degree Elsewhere: Degrees 2-4 within College	Total Degree Count
UP Colleges	BUSINESS	0	A B C 3	0	3
<b>Grand Total</b>		<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

**Number of Majors Pursued By Degree Type:**

Major (Majors 1-4)	Degree Type (Majors 1-4)	Total Major Count
ACCOUNTING	Baccalaureate	A 1
	Masters	C 1
FINANCE	Baccalaureate	B 1
<b>Grand Total</b>		<b>3</b>

**Number of Majors Pursued By Department:**

Academic Department (Majors 1-4)	Major Code (Majors 1-4)	Degree Type (Majors 1-4)	Only 1 Major in the Primary College	More than 1 Major in the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Major Count
ACCOUNTING	ACCTG	Baccalaureate	0	A 1	0	1
		Masters	0	C 1	0	1
<b>ACCOUNTING Total</b>			<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
FINANCE	FIN	Baccalaureate	0	B 1	0	1
<b>FINANCE Total</b>			<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>Grand Total</b>			<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

### Example: Student 3

In this example, student 3 is a graduate student with four Majors listed in ISIS.

	College	Degree	Major
<b>A</b>	EN	PH D	I E
<b>B</b>	ID	NDUAL	O R
<b>C</b>	EN	M S	I E
<b>D</b>	ID	NDUAL	O R

- A** is a Doctorate in Industrial Engineering.
- B** is a DUAL title PH D in Operations Research.
- C** is a Master's in Industrial Engineering.
- D** is a DUAL title Master's in Operations Research.

### Student 3's Student Counts by College and Campus Grouping:

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Campus Grouping	Only 1 Major within the Primary College	More than 1 Major within the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Student Count
UP Colleges	ENGINEERING	University Park	0	<b>A C</b> 1	0	1
Other Areas	INTERCOLLEGE GRADUATE PROGRAMS	University Park	0	0	<b>B D</b> 1	1
<b>Grand Total</b>			<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

In our student count, the student is counted once under the College of Engineering and once in Intercollege Graduate Programs. Looking at the Total Student Count and Grand Total, the student is only counted once.

### Number of Degrees Pursued By Degree Type:

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Degree Type (Majors 1-4)	Total Degree Count
UP Colleges	ENGINEERING	Doctorate	<b>A</b> 1
		Masters	<b>C</b> 1
<b>Grand Total</b>			<b>2</b>

In the Degree dashboard reports, the NDUAL titles are not counted in order to be consistent with the University Budget Office. Even though the student has four degrees and majors listed in ISIS and Data Warehouse, the Grand Total for Total Degree Count only includes two degrees in the Academic College, the College of Engineering (degrees **A** and **C**). Degree **A** is the Doctorate in Engineering and **C** is the Masters degree in Engineering.

### Number of Degrees Pursued By Academic College:

Academic College Grouping (Majors 1-4)	Academic College (Majors 1-4)	Only 1 Degree within the Primary College	More than 1 Degree within the Primary College	Primary Degree Elsewhere: Degrees 2-4 within College	Total Degree Count
UP Colleges	ENGINEERING	0	Ⓐ Ⓒ 2	0	2
<b>Grand Total</b>		<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>

Since Student 3 has two degrees from the College of Engineering, the count of degrees (degree Ⓐ and Ⓒ) show as 2 in the More than 1 Degree within the Primary College column.

### Number of Majors Pursued

When counting majors, the dual titles are included. In the Metadata, there are two fields available for the degree type: Degree Type (Majors 1-4) and the Degree Type (Majors 1-4) – Source. The NDUAL degree codes are actually converted to the degree codes of the associated majors. In this case, degree Ⓑ would be a Doctorate in Operations Research (O R), and degree Ⓓ would be a Masters in Operations Research (O R).

### Number of Majors Pursued By Degree Type:

Major (Majors 1-4)	Degree Type (Majors 1-4)	Total Major Count
INDUSTRIAL ENGINEERING	Doctorate	Ⓐ 1
	Masters	Ⓒ 1
OPERATIONS RESEARCH	Doctorate	Ⓑ 1
	Masters	Ⓓ 1
<b>Grand Total</b>		<b>4</b>

In the Number of Majors Pursued By Degree Type, they will appear as follows:

- Ⓐ The PH D in I E appears under Industrial Engineering - Doctorate.
- Ⓑ The NDUAL in O R appears under Operations Research – Doctorate.
- Ⓒ The M S in I E appears under Industrial Engineering - Masters.
- Ⓓ The NDUAL in O R appears under Operations Research – Masters.

### Number of Majors Pursued By Department:

Academic Department (Majors 1-4)	Major Code (Majors 1-4)	Degree Type (Majors 1-4)	Only 1 Major in the Primary College	More than 1 Major in the Primary College	Primary Major Elsewhere: Major 2-4 in College	Total Major Count
INDUSTRIAL AND MANUFACTURING ENGINEERING	I E	Doctorate	0	Ⓐ 1	0	1
		Masters	0	Ⓒ 1	0	1
<b>INDUSTRIAL AND MANUFACTURING ENGINEERING Total</b>			<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
OPERATIONS RESEARCH	O R	Doctorate	0	0	Ⓑ 1	1
		Masters	0	0	Ⓓ 1	1
<b>OPERATIONS RESEARCH Total</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>
<b>Grand Total</b>			<b>0</b>	<b>2</b>	<b>2</b>	<b>4</b>

Since Engineering is considered the Primary College for Student 3, degrees Ⓑ and Ⓓ fall under the Primary Major Elsewhere: Major 2-4 in College column.

### Contact

For any questions/comments/feedback, please contact the BI Team at [biteam@psu.edu](mailto:biteam@psu.edu).