

Majors & SSCH by Department Dashboard Guide

The following guide provides assistance in running and understanding the information that the Argos dashboard returns. The dashboard is located within the Argos reporting tool which can be accessed here: <https://it.uca.edu/banner/>. The dashboard provides declared major, student semester credit hour (SSCH) production, and degrees awarded information based on Arkansas Division of Higher Education (ADHE) year and department. The figures come from census data reported to ADHE. University definitions can be found here: <https://uca.edu/ir/enrollment-definitions/>.

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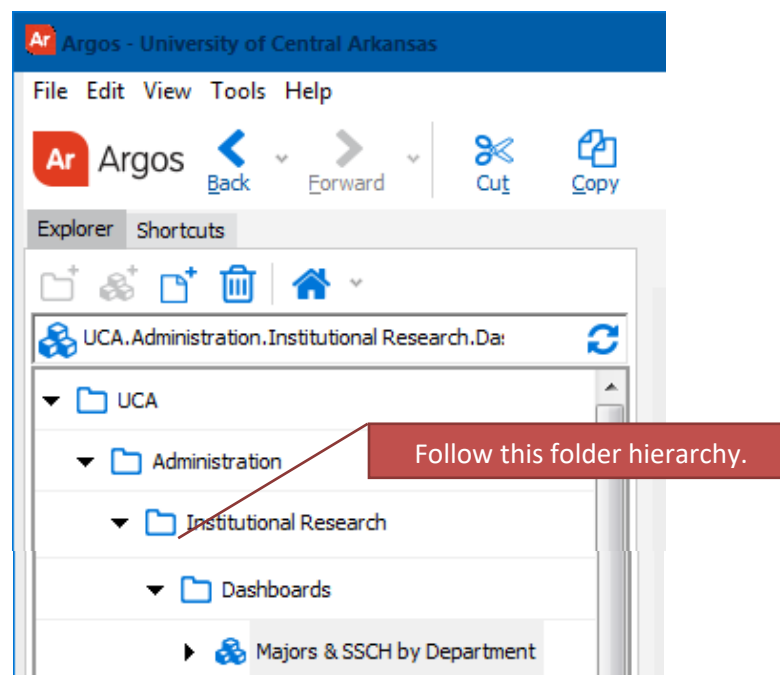
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I. Locating and Accessing the Dashboard

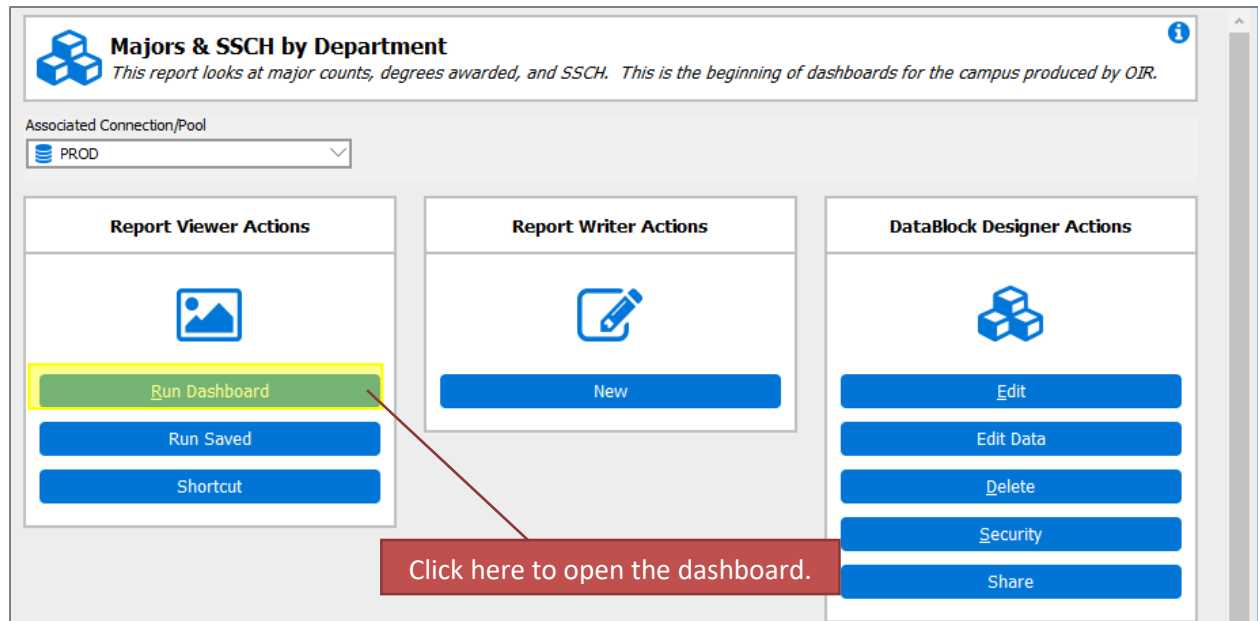
To locate the report navigate to Argos from <https://it.uca.edu/banner/>. Click the “Argos Production” hyperlink as highlighted below and then log in.

Banner 9		Banner 8 Self-Service	
Admin Pages Admin Pages [PROD] Admin Pages [TEST] Admin Pages [PPRD] Admin Pages [CONV] Banner Communication Management Communication Management [PROD] Communication Management [PPRD] Communication Management [CONV]		Direct Access Production Database [PROD] Test Database [TEST] Pre-Production Database [PPRD] Conversion Database [CONV]	Single Sign-on Production Database [PROD] Test Database [TEST] Pre-Production Database [PPRD] Conversion Database [CONV]
Banner 9 Self-Service		AppWorx	Evisions
General [PROD] General [TEST] General [PPRD] General [CONV] Student [PROD] Student [TEST] Student [PPRD] Student [CONV] Student Registration [PROD] Student Registration [TEST]	Faculty [PROD] Faculty [TEST] Faculty [PPRD] Faculty [CONV] Finance [PROD] Finance [TEST] Finance [PPRD] Finance [CONV] Employee [PROD] Employee [TEST]	AppWorx Client Installation	Argos [PROD] Argos Web Viewer [PROD] FormFusion [PROD] IntelleCheck [PROD]* Argos [DEV] Argos Web Viewer [DEV] FormFusion [DEV] IntelleCheck [DEV]* Evisions Client Installer

The report is located at *UCA.Administration.Institutional Research.Dashboards.Majors & SSCH by Department*. Navigate through the folder hierarchy to find the report.



The following screen will appear to the right of the navigation tree. Click the “Run Dashboard” button to see the dashboard.



II. Running the Dashboard

After clicking the “Run Dashboard” button, the dashboard’s main page will appear.

The screenshot shows the University of Central Arkansas dashboard. At the top, there are navigation tabs: Declared Majors, Degrees Awarded, SSCH by Fiscal Year, SSCH and FTE Fall, DFWI, Time to Degree, Second Declared Majors, and Second Degrees Awarded. The main header includes the university's name and logo, and the title "Majors, Degrees Awarded, and SSCH by Department". Below the header, there is a section titled "Please click on the buttons below to view the specified data" with buttons for Declared Majors, Degrees Awarded, SSCH - Fiscal Year, SSCH and FTE - Fall Term, DFWI, Time to Degree, and Minors. To the right of these buttons, there is a section titled "Additional information and a dashboard guide are available at" with a URL and contact information for Mac Harris and Kristin Heffington. Below this, there is a section titled "The below data is double counting students when used with the data above. Please properly notate the data pulled from this area as 'Second Major(s).'" with buttons for Second Declared Majors and Degrees Awarded - Second Major. At the bottom, there is a section titled "The below data is looking at undeclared students, who have pre-majors. Officially, these students are considered undeclared." with a button for Pre-Majors.

Clicking on a button will take you to the specific page or you can select the corresponding tab at the top of the report to select the report page. Once you are on a report page, you can also use the tabs to navigate to other reports. All pages request the user to input the same three variables (ADHE year, college, and department) before data will be displayed. The process for running the report for each page is the same and is shown below.

Note: ADHE years correspond closely with fiscal years. The year goes from Summer II to Summer I. For example, ADHE year 2015 includes: Summer II 2014, Fall 2014, Spring 2015 and Summer I 2015.

Majors & SSCH by Department Dashboard

Dashboard Options: Report Options:

University of Central Arkansas
Degrees Awarded by Department

ADHE Year: Run Query

College:

Department: (To select multiple departments, Hold the Ctrl key while making selections)

Main Page

1.) Use this dropdown to select the ADHE year.

2.) Use this dropdown to select the college.

3.) Use this box to select department or unit. Multiple departments can be selected.

4.) Click the "Run Query" button to run the dashboard.

Click the "Main Page" button to return to the first screen, allowing you to go on to a different page.

III. Interpreting the Dashboard

A. Majors

Once you run the Majors report, it displays the results below. The top of the report consists of tables and graphs.

Declared Majors

For Year Selected: **Fall On-Schedule 2014 & Spring On-Schedule 2015**

Program	Fall_OnSchedule	Spring_OnSchedule
BA-Mathematics	10	9
BS-Mathematics	75	78
BSE-Mathematics	11	10
MA-Mathematics Education	7	8
MS-Applied Mathematics	9	9

5 items

A bar graph comparing fall and spring majors.

Declared majors by fall and spring term for the selected year

For Current & Previous Years:

Fall On-Schedule 2010= **_5_Fall_PrevYrs**
 Fall On-Schedule 2011= **_4_Fall_PrevYrs**
 Fall On-Schedule 2012= **_3_Fall_PrevYrs**
 Fall On-Schedule 2013= **_2_Fall_PrevYr**
 Fall On-Schedule 2014= **_1_Fall_Current**

Refer to the purple text to determine the terms displayed

Program	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYr	_1_Fall_Current
BA-Mathematics	14	14	21	19	10
BS-Mathematics	55	60	58	62	75
BSE-Mathematics	17	8	12	14	11
MA-Mathematics Education	13	13	15	13	9

5 items

A five year history of the declared majors each fall.

A bar graph of the five year history.

The bottom of the report is an OLAP cube that allows for additional filtering. An OLAP cube is similar to a pivot table in Excel. A short explanation of how to use an OLAP cube is below. (See [Section C SSCH-Fiscal Year](#) for more details on how to manipulate the OLAP cubes.)

Available Dimensions

CIP Code

Department

Graduation D

Gender

Race

Columns

ADHE_Year

Program

ADHE_Year

2011-2012

2012-2013

2013-2014

2014-2015

2015-2016

Total by f

Students

Students

Students

Students

Students

Student

Value

Value

Value

Value

Value

Value

BA-Economics	5	1	3	4	3	
BBA-Economics	3	12	6	6	7	
BBA-Finance	52	43	45	33	28	
BBA-Insurance & Risk Management	15	17	27	18	5	
BS-Economics	5	5	6	15	5	
Total by COLUMNS	80	78	87	76	48	369

Program

ADHE_Year

2011-2012

2012-2013

2013-2014

2014-2015

2015-2016

Total by f

Students

Students

Students

Students

Students

Student

Value

Value

Value

Value

Value

Value

BA-Economics

BBA-Economics

BBA-Finance

BBA-Insurance & Risk Management

BS-Economics

Total by COLUMNS

5

3

52

15

5

80

1

12

43

17

5

78

3

6

45

27

6

87

4

6

33

18

15

76

3

7

28

5

5

48

369

You can filter dimensions by clicking the dropdown (See the example on the next page)

Available dimensions (variables) can be moved to the horizontal green "Column" space above the OLAP or to the vertical white "ROW" space to the left of the OLAP to change what data is visible

Column and row totals appear in the orange cells.

Students

1) In this example, the “Program” dimension has been selected by clicking the dropdown highlighted in yellow. When the dimension is red that means the data is being filtered.

2) The “Dimension Editor” box will appear after the dropdown is selected. This is where dimensions can be filtered.

Available Dimensions

Columns

Program

Program	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYr	_1_Fall_Current
BA-Mathematics	14	14	21	19	10
BS-Mathematics	55	60	56	62	75
Total by COLUMNS	69	74	77	81	85

Measures

5 Fall PrevYrs 4 Fall PrevYrs 3 Fall PrevYrs 2

Dimension editor : Program

Caption
Program

☐ Enable prev. forecast value
☐ Enable next forecast value

Forecasting method
Triple Exponential Smoothing

- ☒ BA-Mathematics
- ☒ BS-Mathematics
- ☐ BSE-Mathematics
- ☐ MA-Mathematics Education
- ☐ MS-Applied Mathematics

Items count: 5

Green checkmark, Red X, Blue X, Refresh, Save, Cancel, Help icons

3) In this example the BA-Mathematics and BS-Mathematics have been selected. Click the checkbox to filter a variable, a green check is on, a red “x” is off, and a blue “x” only appears in totals.

4) Once you are done filtering click the green check mark here to save your filters or click the red “X” to cancel.

B. Degrees Awarded

This report displays degrees awarded for the years selected. (See [Section C SSCH-Fiscal Year](#) for more details on how to manipulate the OLAP cubes.)

Degrees Awarded:

For Current & Previous Years:

2010-2011= _5_PrevYrs

2011-2012= _4_PrevYrs

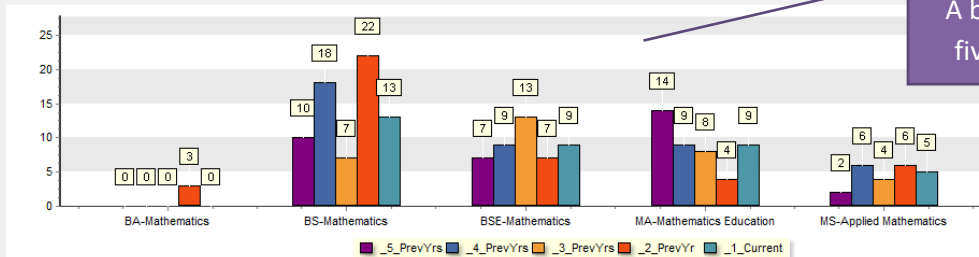
2012-2013= _3_PrevYrs

2013-2014= _2_PrevYr

2014-2015= _1_Current

Program	_1_Fall_Cu...	_2_Fall_Pre...	_3_Fall_Pre...	_4_Fall_Pre...	_5_Fall_Pre...
BA-Mathematics	0	3	0	0	0
BS-Mathematics	13	22	7	18	10
BSE-Mathematics	9	7	13	9	7
MA-Mathematics Education	9	4	8	9	14
MS-Applied Mathematics	5	6	4	6	2

5 items



Refer to the purple text to determine the year

A bar graph of the five year history.

Available Dimensions

Department

Graduation Date

Race

Gender

Clp Code

Columns

Program

Total by ROWS					
Program	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYrs	_1_Fall_Current
	Value	Value	Value	Value	Value
BS-Mathematics	0	0	0	0	13
BSE-Mathematics	0	0	0	0	9
MA-Mathematics Education	0	0	0	0	9
MS-Applied Mathematics	0	0	0	0	5
Total by COLUMNS	0	0	0	0	36

An OLAP cube for extra filtering as needed

The program dropdown allows you to filter by program just like in the "Majors" page.

C. SSCH – Fiscal Year

This report displays the SSCH generated over a fiscal year. Just like the other pages, this page requires the user to input the same three variables but the results are only presented in an OLAP cube.

Student Semester Credit Hour (SSCH) Production

For Year Selected: Summer II On-Schedule 2014 to Summer I Off-Schedule 2015

Refer to the purple text to determine the year

Level	Term	1_Summer II On-Schedule	3_Fall On-Schedule	4_Fall Off-Schedule	5_Spring On-Schedule	6_Spring Off-Schedule	7_Summer I On-Schedule	8_Summer I Off-Schedule	Total by
		SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH
		Value	Value	Value	Value	Value	Value	Value	Value
Graduate		27	145	0	133	0	33	1	
HS Concurrent		0	778	6	501	0	0	0	
Undergraduate		421	8201	92	6003	108	477	139	
Total by COLUMNS		448	9124	98	6637	108	510	140	

The table breaks SSCH down by course level.

By default, all courses are selected. The below example shows how to select specific courses to appear in the OLAP cube. To filter, adjust which courses have green checks and which have red Xs.

University of Central Arkansas
SSCH by Department and ADHE Year

2/3/2016 9:32:51 AM
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ADHE Year

Department

Geography
Physics & Astronomy

(To select multiple departments, Hold the Ctrl key while making selections)

Student Semester Credit Hour (SSCH) Production

For Year Selected: Summer II On-Schedule 2014 to Summer I Off-Schedule 2015

Available Dimensions: Course, Department

Columns: Term, Level

Level	Term	3_Fall On-Schedule	5_Spring On-Schedule	Total by ROWS
		SSCH	SSCH	SSCH
		Value	Value	Value
Graduate		0	0	0
HS Concurrent		0	0	0
Undergraduate		612	357	969
Total by COLUMNS		612	357	969

Measures: SSCH

Dimension editor: Course

Items count: 78

It is also possible to drag and drop different dimensions from one part of the report to another. Below the “Course” dimension has been moved from the “Available Dimensions” to the rows section on the left below “Level”. This allows us to see each course for each term and the SSCH generated by that course.

For Year Selected: Summer II On-Schedule 2014 to Summer I Off-Schedule 2015

Available Dimensions

Department

Subject

Columns

Term

Level

Course

	Term	1_Summer II On-Schedule	3_Fall On-Schedule	4_Fall Off-Schedule	5_Spring On-Schedule	6_Spring Off-Schedule	7_Summer I On-Schedule	8_S Off-
Level	Course	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SS
		Value	Value	Value	Value	Value	Value	
Graduate		27	145	0	133	0	33	
HS Concurrent		0	778	6	501	0	0	
Undergraduate		421	8201	92	6003	108	477	
	MATH 1360	48	612	21	357	33	36	
	MATH 1390	165	3072	69	1449	72	183	
	MATH 1392	39	234	0	225	3	0	
	MATH 1395	42	702	0	651	0	45	
	MATH 1491	0	440	0	472	0	0	
	MATH 1496	0	524	0	228	0	0	
	MATH 1497	0	168	0	300	0	0	
Total by COLUMNS		448	9124	98	6637	108	510	

Measures

SSCH

After dragging the “Course” variable below

After dragging the “Course” variable below “Level” the courses appear here. You can click the “+” symbol to drill down to the courses.

At the bottom of this page there is an OLAP cube that contains data for the selected year and the previous four years.

For Year Selected and Previous Four Years:

Available Dimensions

Course Term Department Subject

Columns

ADHE_Year

Level

ADHE_Year	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total by ROWS
Level	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH
Value	Value	Value	Value	Value	Value	Value
Graduate	536	479	536	530	339	2420
HS Concurrent	1747	890	826	784	1285	5532
Undergraduate	14834	14625	14765	15303	15441	74968
Total by COLUMNS	17117	15994	16127	16617	17065	82920

SSCH

Term can be added by dragging this tab to the green "columns" bar or you can filter in its current place by clicking the drop down.

The only difference in this OLAP cube is the inclusion of the previous four years.

Term can be added by dragging this tab to the green “columns” bar or you can filter in its current place by clicking the drop down.

The only difference in this OLAP cube is the inclusion of the previous four years.

D. SSCH and FTE – Fall Term

This page is similar to SSCH – Fiscal Year but only contains data for the fall term. It also displays full-time equivalency (FTE). The first OLAP cube displays SSCH for the selected and four previous fall term. The second OLAP cube displays FTE for the selected and four previous fall term. (See [Section C SSCH-Fiscal Year](#) for more details on how to manipulate the OLAP cubes.)

University of Central Arkansas
SSCH and FTE by Department - Fall

ADHE Year: Fall 2016
College: Natural Sciences and Mathematics
Department: Mathematics

Run Query

Fall On-Schedule Term For Year Selected and Previous Four Years:
Student Semester Credit Hour (SSCH) Production

Level	ADHE Term	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Total by ROWS
1_HS Concurrent	SSCH	532	577	778	694	678	3,259
2_Undergraduate	SSCH	7,686	8,180	8,201	8,811	8,651	41,529
3_Graduate	SSCH	222	216	145	136	159	878
Total by COLUMNS	SSCH	8,440	8,973	9,124	9,641	9,488	45,666

OLAP cubes similar to the other pages.

Full-Time Equivalent (FTE)

Level	ADHE Term	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Total by ROWS
1_HS Concurrent	FTE	35.5	38.5	51.9	46.3	45.2	217.3
2_Undergraduate	FTE	512.4	545.3	546.7	587.4	576.7	2,768.6
3_Graduate	FTE	18.5	18.0	12.1	11.3	13.3	73.2
Total by COLUMNS	FTE	566.4	601.8	610.7	645.0	635.2	3,059.0

E. DFWI

This page displays total drop/fail/withdraw/incomplete numbers for courses in the year and department(s) selected. Just like the other pages, this page requires the user to input the same three variables but the results are only presented in an OLAP cube. **This report has data protected by FERPA. Releasing this data to the public or other non-school officials would be a VIOLATION OF FEDERAL LAW. For guidance on releasing this data, please contact the Office of Institutional Research. (See [Section C SSCH-Fiscal Year](#) for more details on how to manipulate the OLAP cubes.)**

Dashboard Options:


Report Options:

6/11/2020 11:46:06

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University of Central Arkansas

DFWIs by Department and ADHE Year



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ACADEMIC AFFAIRS
INSTITUTIONAL RESEARCH

Main Page

Points of Clarification: All information presented is static and comes from the official university dataset. This data is pulled on the census day.
Additional information and a dashboard guide are available at <http://uca.edu/ir/facts-and-figures/argos-dashboards/>.

ADHE Year: 2018-2019

Run Query

College: Business

Department: Accounting

(To select multiple departments, Hold the Ctrl key while making selections)

For Year Selected: Summer II On-Schedule 2018 to Summer I Off-Schedule 2019

High School concurrents courses are excluded. Only undergraduate courses are included.

Available Dimensions

BannerTerm Gender Race Minority FT or PT

Columns

Course

Course	Total by ROWS		
	Students	DFWI	DFWI Rate
ACCT 3310	####	####	####%
	####	####	####%
	####	####	####%
	####	####	####%
	####	####	####%
	####	####	####%
	####	####	####%
	####	####	####%
ACCT 3320	####	####	####%
ACCT 3326	####	####	####%
ACCT 3376	####	####	####%
ACCT 3380	####	####	####%
Total by COLUMNS	####	####	####%

Measures

Students DFWI DFWI Rate

To see a specific term rather than the full year, click here and filter.

Numbers suppressed due to FERPA

F. Time to Degree

This page displays Time to Degree for programs in the year and department(s) selected. Just like the other pages, this page requires the user to input the same three variables but the results are only presented in an OLAP cube. Time to Degree is calculated in years for each program. **This report is only for full-time, first-time degree seeking students.** (See [Section C SSCH-Fiscal Year](#) for more details on how to manipulate the OLAP cubes.)


AR Majors & SSCH by Department.Dashboard

Dashboard Options: Report Options:

Declared Majors | Degrees Awarded | SSCH by Fiscal Year | SSCH and FTE Fall | DFWI | **Time to Degree** | Second Declared Majors | Second Degrees Awarded

7/23/2025 10:34:56
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Research.Dashboards.Majors &
SSCH by
Department.Dashboard

University of Central Arkansas
Time to Degree by Program



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Additional information and a dashboard guide are available at [HERE](#)
University definitions can be found at [HERE](#)

ADHE Year: Run Query

College:

Department:

Accounting
College of Business
Comp Info Systems & Analytics
Econ, Fin, Ins & Risk Mgmt
Marketing & Management

(To select multiple departments, Hold the Ctrl key while making selections)

Time to Degree data is reflective of the academic year of degree awarded and is limited to students with initial status of full-time, first-time, degree seeking but is not specifically related to cohort.

Available Dimensions
Gender Race Minority

Columns
ADHE_Year

Program

	2019-2020		2020-2021		2021-2022		2022-2023	
Program	Students	Time_Yrs	Students	Time_Yrs	Students	Time_Yrs	Students	Time_Yrs
	Value	Value	Value	Value	Value	Value	Value	Value
BBA-Accounting	25	4.02	36	4.04	20	3.62	29	3.82
Total by COLUMNS	25	4.02	36	4.04	20	3.62	29	3.82

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<http://uca.edu/ir/argos-dashboards/>

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G. Minors

This page displays Minors for programs in the year and department(s) selected. Just like the other pages, this page requires the user to input the same three variables. (See [Section C SSCH-Fiscal Year](#) for more details on how to manipulate the OLAP cubes.)

Dashboard Options:

Report Options:

SSCH by Fiscal Year

SSCH and FTE Fall

DFWI

Time to Degree

Second Declared Majors

Second Degrees Awarded


Pre-Majors

Minors

7/23/2025 10:34:54
UCA.Administration.Institutional
Research.Dashboards.Majors &
SSCH by
Department.Dashboard

University of Central Arkansas

Minors by Department



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[Main Page](#)

Points of Clarification: All information presented is static and comes from the official university dataset. This data is pulled on the census day.
Additional information and a dashboard guide are available at [HERE](#)
University definitions can be found at [HERE](#)

ADHE Year:

Run Query

College:

Department:

Accounting

College of Business

Comp Info Systems & Analytics

Econ, Fin, Ins & Risk Mgmt

Marketing & Management

(To select multiple departments, Hold the Ctrl key while making selections)

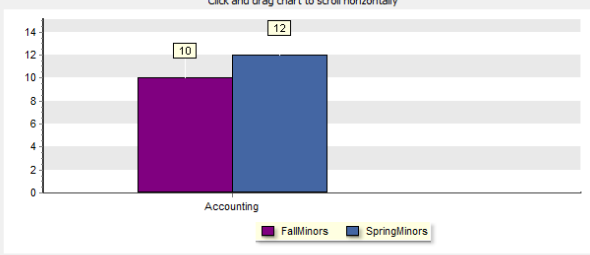
Declared Minors

For Year Selected: Fall On-Schedule 2024 & Spring On-Schedule 2025

Minor	Fall_OnSchedule	Spring_OnSchedule
Accounting	10	12

1 items

Click and drag chart to scroll horizontally



Minor	Fall Minors	Spring Minors
Accounting	10	12

For Current & Previous Years:

Fall On-Schedule 2020 = 5 Fall PrevYrs

Fall On-Schedule 2021 = 4 Fall PrevYrs

Fall On-Schedule 2022 = 3 Fall PrevYrs

Fall On-Schedule 2023 = 2 Fall PrevYr

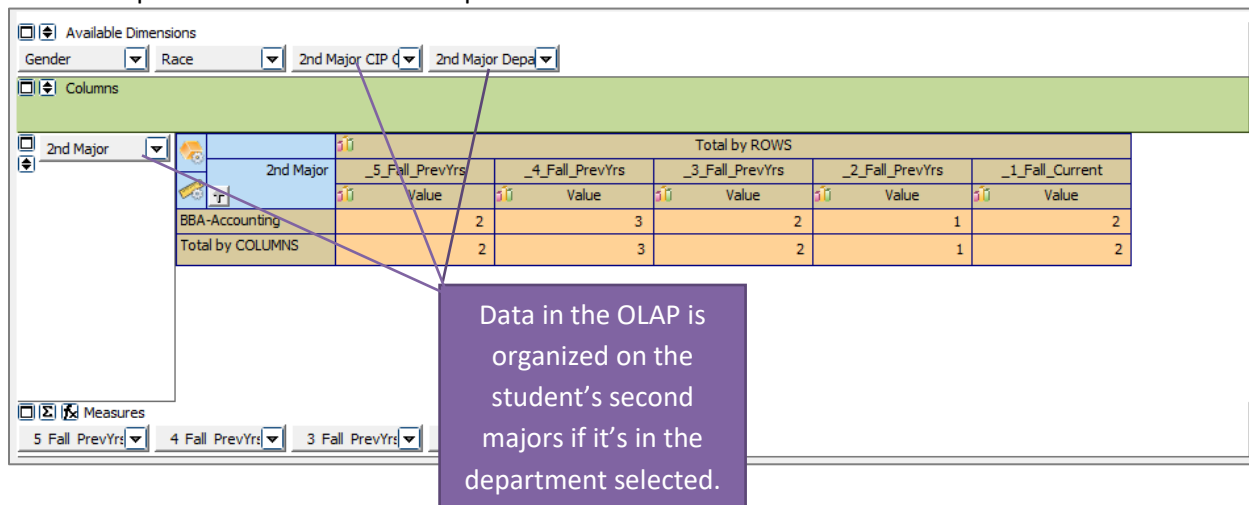
Minor	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYrs	_1_Fall_Current
Accounting	11	9	12	11	10

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<http://uca.edu/ir/argos-dashboards/>

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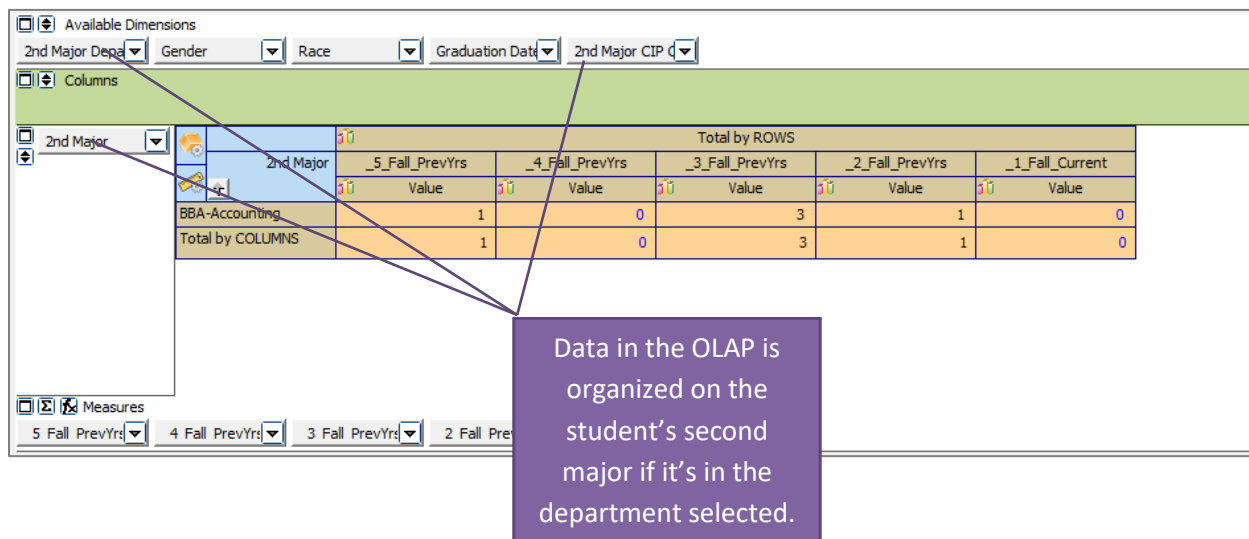
H. Second Declared Majors

The data in the “Second Declared Majors” page is **double counting students** when used with the data above. Please properly notate the data pulled from this area as “Second Major(s)”. This page is similar to the “Declared Majors” page. The difference is it includes the count of students whose second major is in the department selected at the top of the screen.



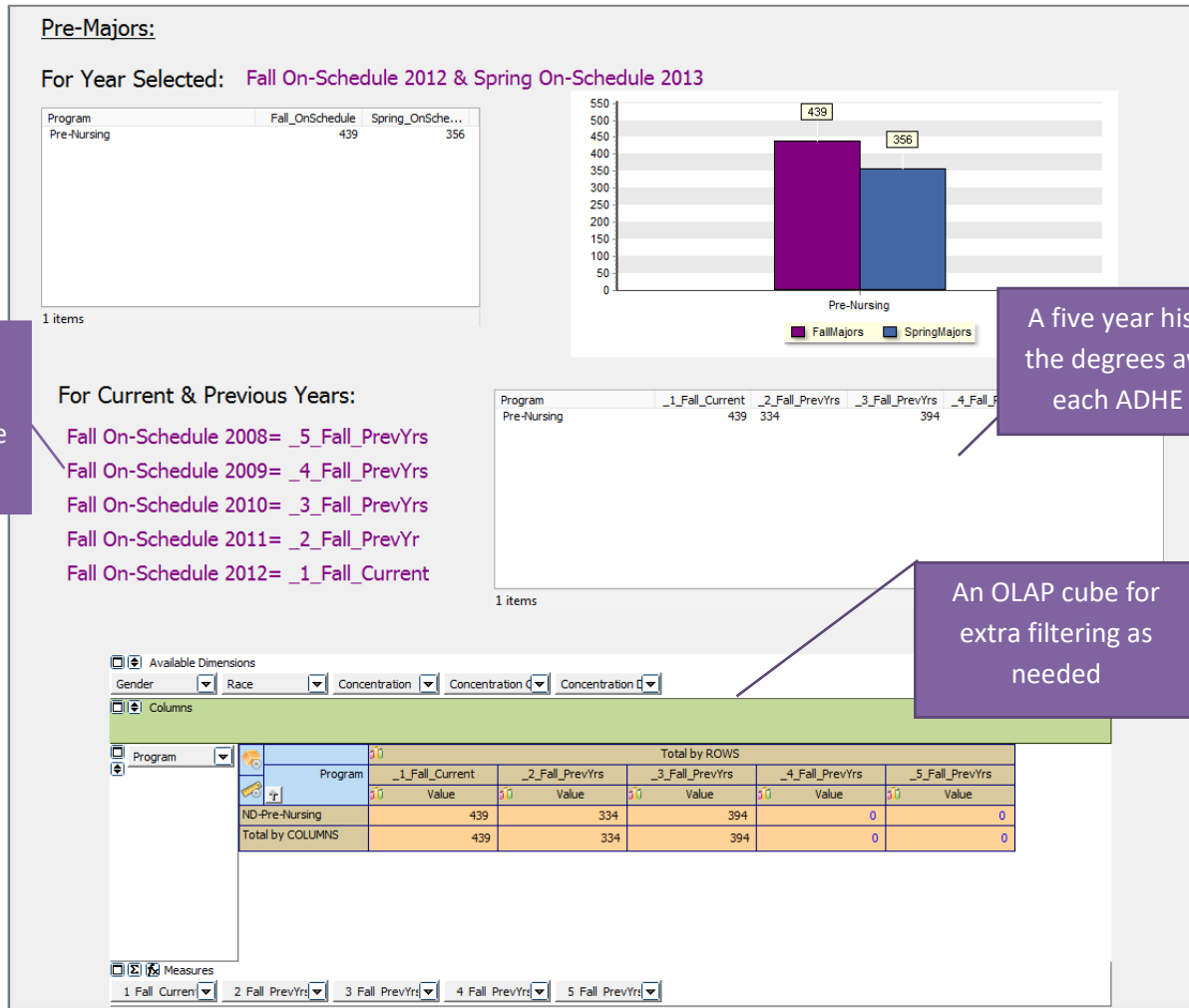
I. Degrees Awarded – Second Major

The data in the “Degrees Awarded – Second Major” page falls under the same stipulations as the “Second Declared Majors” in that the students are **being double counted** and the data needs to be properly notated as “Degrees Awarded – Second Major”. This page is similar to the “Degrees Awarded” page except it refers to the student’s second major.



J. Pre-Majors

Students that are pre-majors are not officially counted within a department. These students are officially counted as undeclared until the student is admitted into a program. Though not official, pre-major data allows a department and/or college to see the possible future demand on the program.



IV. Manipulating OLAP Cubes

OLAP stands for Online Analytical Processing. OLAP cubes are data structures that allow the end user to configure (“slice and dice”) the same data into many different views. They are designed to aid in decision-making and better understanding of information. Similar to pivot tables within Excel, the end user can add/remove variables (dimensions) as well as filter and sort the data to drill down into the details or generalize to see the big picture.

Note:

For a more comprehensive explanation of OLAP Cubes please refer to the Argos In-Product Help Guide:

http://webhelp.evisions.com/HelpFiles/Argos/5.3/en/Default.htm#Report%20Viewer%20Guide/OLAP.htm%3FTocPath%3DUser%2520Guides%7CReport%2520Viewer%2520Guide%7COLAP%2520Data%2520Cubes%7C_0

A. Sorting

A. Sorting

Hit the +/- symbol to expand/contract the information

Click the vertical or horizontal arrows to sort the rows/columns ascending or descending

Available Dimensions		Columns								Rows		
Department	Race	CIP Code										
ADHE_Term	Gender											
Program	ADHE_Term	Gender	Fall 2012		Fall 2013	Fall 2014	Fall 2015	Fall 2016	Total by ROWS			
			Female	Male								
			Students	Students	Students	Students	Students	Students	Students			
			Value	Value	Value	Value	Value	Value	Value			
BBA-Accounting			115	61	54	222	238	247	210	1,032		
BBA-Business Administration			78	28	50	248	238	319	354	1,237		
BBA-Economics						26	26	33	29	121		
BBA-Finance						96	124	129	135	534		
BBA-Innovation and Entrepreneurship						49	48	63	70	230		
BBA-Insurance & Risk Management						51	38	36	50	189		
BBA-Management						145	163	187	195	750		
BBA-Management Information Systems						118	142	141	136	588		
BBA-Marketing			62	30	32	161	158	197	197	775		
BS-Economics			12	5	7	22		11	9	76		
BS-Information Systems			0	0	0	0	0	0	27	27		
MACC-Accounting			12	10	2	14	9	13	13	61		
MACC-Business Administration												
Total by COLUMNS			522	200	322	1,234	1,294	1,474	1,536	6,060		

Measures: Students

B. Adding/Removing Dimensions

Editing the dimensions of the OLAP cube allows the user to view the data grouped in different ways. In the following example, the OLAP cube first displays Accounting department majors by Fall term. Dragging and dropping the necessary dimensions edits the OLAP cube to display the data split out by race/ethnicity and gender for each Fall term.

The screenshot shows the OLAP cube interface. On the left, the 'Available Dimensions' list includes Department, Gender, Race, and CIP Code. The 'Columns' area shows 'ADHE_Term' and 'Fall 2012'. The 'Rows' area shows 'Program' and 'Students'. A red callout box with arrows pointing to the 'Available Dimensions' and 'Columns' areas contains the text: 'Drag and drop dimensions from the available dimensions area to the columns or rows area to add dimensions.' Another red callout box with arrows pointing to the 'Columns' and 'Rows' areas contains the text: 'Drag and drop dimensions from the columns or rows area to the available dimensions area to remove dimensions.'

Program	Students	Value
BBA-Accounting	115	222
MACC-Accounting	12	14
Total by COLUMNS	127	236

This is what the OLAP cube looks like after moving the gender and race dimensions:

The screenshot shows the OLAP cube interface after moving the 'Gender' and 'Race' dimensions. The 'Available Dimensions' list now includes Department, CIP Code, Gender, and Race. The 'Columns' area shows 'ADHE_Term' and 'Fall 2012'. The 'Rows' area shows 'Program' and 'Students'. A purple callout box with an arrow pointing to the 'Columns' area contains the text: 'With the Gender dimension in the column area, the different gender categories are displayed horizontal along the top of the OLAP cube'. Another purple callout box with an arrow pointing to the 'Rows' area contains the text: 'With the Race dimension in the row area, the different race categories are displayed vertically along the left side of the OLAP cube'.

Program	Students	Value	Female	Male	Students	Value
BBA-Accounting	115	61	54	1	0	1
American Indian/Alaskan Native	2	2	0	1	0	4
Asian	3	2	1	3	7	8
Black	14	9	5	31	32	40
Hispanic	2	1	1	6	8	9
NR Alien	20	12	8	25	16	16
Native Hawaiian/Pacific Islander	0	0	0	1	0	1
Two or more races	9	5	7	25	3	1
Unknown	3	1	1	19	163	167
White	9	13	13	61	247	260
MACC-Accounting	12	14	13	223	1,093	
Total by COLUMNS	127	236	247	260	223	1,093

C. Filtering

Dimensions can be filtered to show only the user's chosen categories. A dimension **does not** need to be in the column and row areas to be filtered; it can be filtered from the available dimension area as well. For example, the user can click on the department dimension in the available dimensions area and filter it to show only enrollment for their department.

In the following example, the Race dimension is being filtered (the dimension has changed from a gray box to a red box). Within the dimension editor:

- The NR Alien category has been removed (red crossed circle to the left of the category).
 - This category will not be visible in the OLAP cube nor will it be displayed in the totals.
- The Unknown category has been changed to invisible (blue eye to the left of the category) in the dimension editor.
 - This category will not be visible in the OLAP cube but it *will* be displayed in the totals.
- All other categories were left with the default visible option (green eye to the left of the category) in the dimension editor.
 - These categories will be visible in the OLAP cube and will be displayed in the totals.

1) Click the down arrow next to the dimension to bring up the Dimension Editor menu

2) Click the green checkmark to save your selection

The green eye means that category is visible and included in the totals

The red crossed circle means that the category is not visible and not included in the totals

The blue eye means that category is *not* visible but *is* included in the totals

Program	ADHE_Term	Race	Students
BBA-Accounting	Fall 2012	Value	95
BBA-Accounting	Fall 2013	Value	197
BBA-Accounting	Fall 2012	American Indian/Alaskan Native	2
BBA-Accounting	Fall 2012	Asian	3
BBA-Accounting	Fall 2012	Black	14
BBA-Accounting	Fall 2012	Hispanic	2
BBA-Accounting	Fall 2012	Native Hawaiian/Pacific Islander	0
BBA-Accounting	Fall 2012	Two or more races	1
BBA-Accounting	Fall 2012	White	66
BBA-Accounting	Fall 2013	Value	145
BBA-Accounting	Fall 2013	Value	10
BBA-Accounting	Fall 2013	Value	207

To see examples of filtering an OLAP refer to Argos YouTube videos:

<https://youtu.be/kYwXgRRcAuM>

<https://youtu.be/ALmaNsYLk7M> (starting at minute 1:30)

D. Exporting to Excel

After manipulating an OLAP cube, the data can be extracted to an Excel file for further manipulation or for adding into a report.

The screenshot shows the Argos OLAP cube interface. On the left, the 'Available Dimensions' pane lists 'Department', 'CIP Code', 'Gender', and 'Program'. The 'Columns' pane shows 'ADHE_Term' and 'Race'. The main cube displays a table with columns for 'Fall 2012', 'Fall 2013', and 'Fall 2014', each with sub-columns for 'Students' and 'Value'. A right-click context menu is open, showing options: 'Export to Excel', 'Save OLAP Settings', 'Undo (Ctrl+Z)', 'Cut (Ctrl+X)', 'Copy (Ctrl+C)', 'Paste (Ctrl+V)', 'Print ...', and 'Select All (Ctrl+A)'. A purple callout box states: 'The Excel document will contain what is currently shown in the OLAP cube, including selected filters.' A red callout box states: 'Right click anywhere within the OLAP cube to display the options menu. Choose Export to Excel (OLE)'.

	Fall 2012	Fall 2013	Fall 2014
American Indian/Alaskan Native	2	1	0
Asian	3	3	7
Black	14	31	32
Hispanic	2	6	8
Native Hawaiian/Pacific Islander	0	1	0
Two or more races	1	3	9
White	66	145	163
Total by COLUMNS	95	197	222

The OLAP cube data will display in Excel exactly as it was displayed in the OLAP cube within Argos. The OLAP cube does not import as an image but as a general data format so that it can be manipulated further in Excel as needed.

The screenshot shows the Microsoft Excel interface with the 'File', 'Home', 'Insert', 'Page Layout', 'Formulas', 'Data', 'Review', and 'View' tabs. The 'Home' tab is active, showing the 'Clipboard', 'Font', 'Alignment', and 'Number' groups. The formula bar shows 'ADHE_Term'. The worksheet contains the following data:

	A	B	C	D	E	F	G
1	ADHE_Term	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Total by ROWS
2		Students	Students	Students	Students	Students	Students
3	Race	Value	Value	Value	Value	Value	Value
4	American Indian/Alaskan Native	2	1	0	1	0	4
5	Asian	3	3	7	8	5	26
6	Black	14	31	32	40	24	141
7	Hispanic	2	6	8	9	16	41
8	Native Hawaiian/Pacific Islander	0	1	0	0	0	1
9	Two or more races	1	3	9	5	7	25
10	White	66	145	163	167	131	672
11	Total by COLUMNS	95	197	222	231	184	929
12							
13							