



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/>.

Contents

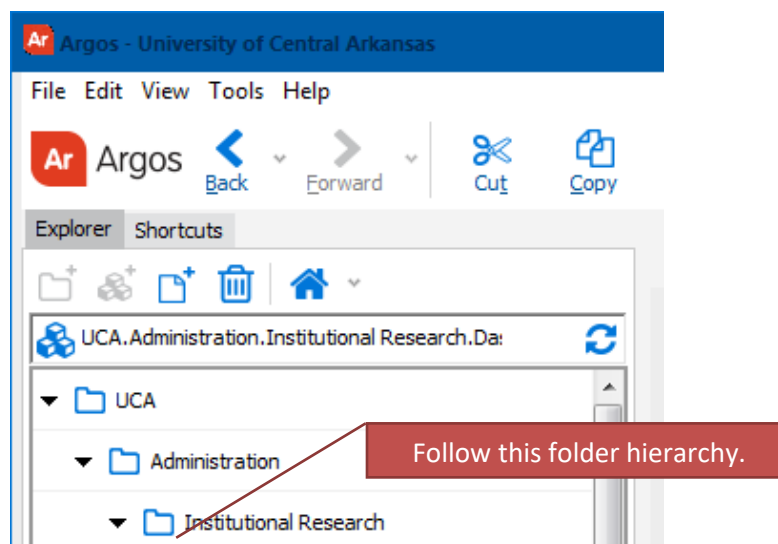
I. Locating and Accessing the Dashboard.....	2
II. Running the Dashboard	4
III. Interpreting the Dashboard	5
A. Majors.....	5
B. Degrees Awarded.....	8
C. SSCH – Fiscal Year	9
D. SSCH and FTE – Fall Term	11
E. DFWI.....	12
F. UG SSCH by Faculty Type	13
G. Time to Degree	14
H. Minors.....	15
I. Second Declared Majors	16
J. Degrees Awarded – Second Major	16
K. Pre-Majors	17
IV. Manipulating OLAP Cubes	18
A. Sorting.....	18
B. Adding/Removing Dimensions.....	19
C. Filtering	20
D. Exporting to Excel	21

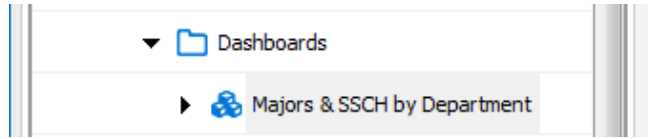
I. Locating and Accessing the Dashboard

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.

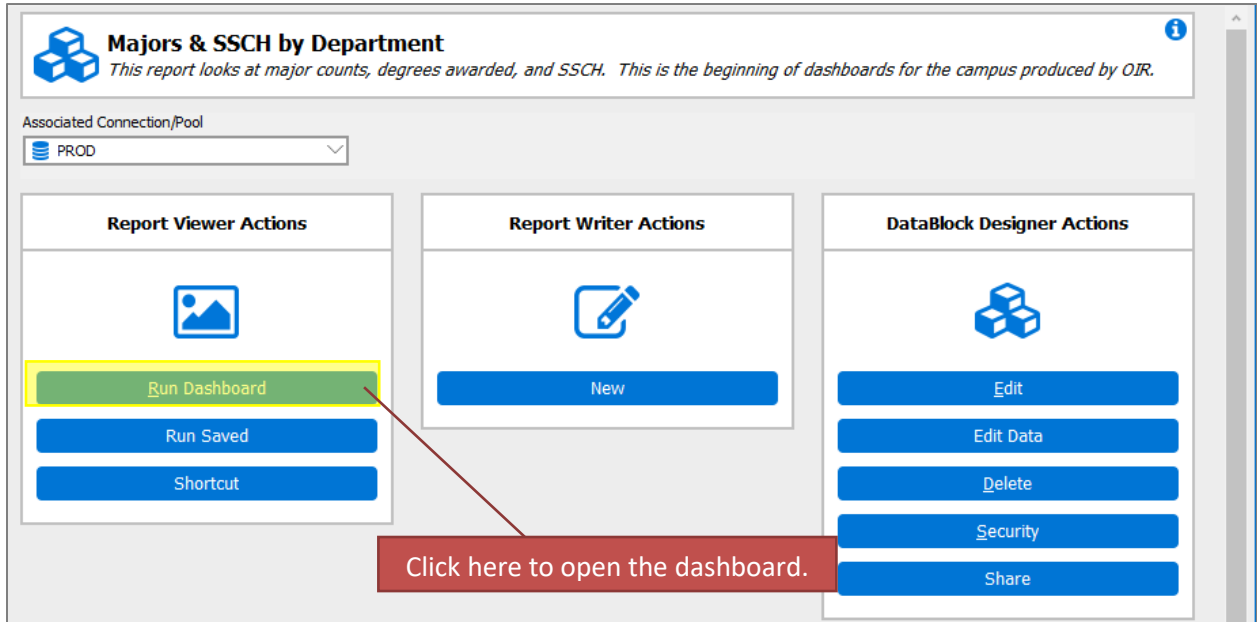
Banner 9		Banner 8 Self-Service	
Admin Pages Admin Pages [PROD] Admin Pages [TEST] Admin Pages [PPRD] Admin Pages [CONV]	Banner Communication Management Communication Management [PROD] Communication Management [PPRD] Communication Management [CONV]	Direct Access Production Database [PROD] Test Database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

Declared Majors | Degrees Awarded | SSCH by Fiscal Year | SSCH and FTE Fall | UG SSCH Fac Type | DFWI | Time to Degree | Minors | Second Declared

2/13/2026 1:17:24
UCA.Administration.Institutional
Research.Dashboards.Majors &
SSCH by
Department.Dashboard

University of Central Arkansas
Majors, Degrees Awarded, and SSCH by Department

UNIVERSITY OF
CENTRAL
ARKANSAS™

ACADEMIC AFFAIRS
INSTITUTIONAL RESEARCH

Please click on the buttons below to view the specified data

Declared Majors | Degrees Awarded

SSCH - Fiscal Year | SSCH and FTE - Fall Term

DFWI | UG SSCH by Faculty Type

Minors | Time to Degree

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)."

Second Declared Majors | Degrees Awarded - Second Major

The below data is looking at undeclared students, who have pre-majors. Officially, these students are considered undeclared.

Pre-Majors

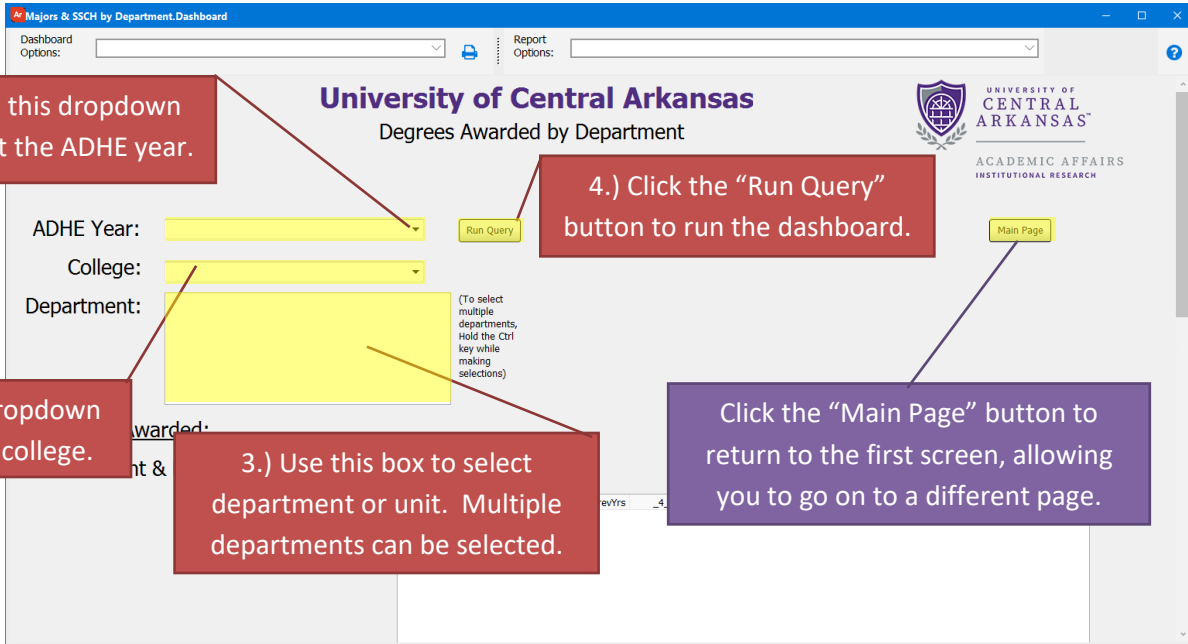
Additional information and a dashboard guide are available at <http://uca.edu/ir/facts-and-figures/argos-dashboards/>. If you have questions or need further help, please contact the IR representative for your college/unit.

College of Business | Mac Harris
College of Arts, Humanities, & Social Sciences | 501-852-1203
Torreyson Library | bharris8@uca.edu
Honors College

College of Education | Kristin Heffington
College of Health & Behavioral Sciences | 501-450-5371
College of Science & Engineering | kheffington@uca.edu
Graduate School

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.



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 by fall and spring term for the selected year

Refer to the purple text to determine the terms displayed

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

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

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
BSE-Mathematics	48	35	26	14	11
MA-Mathematics Education	17	8	12	14	7
MS-Applied Mathematics	13	13	15	13	9

5 items

A bar graph comparing fall and spring majors.

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.)

The screenshot shows an OLAP dashboard interface. At the top, there are several dropdown menus for filtering: 'Available Dimensions' (with sub-menus for CIP Code, Department, Graduation D, Gender, Race), 'Columns' (with a sub-menu for ADHE_Year), and 'Program'. Below these is a data table with columns for 'ADHE_Year' (2011-2012 to 2015-2016) and a 'Total by Student' column. The rows represent different programs: BA-Economics, BBA-Economics, BBA-Finance, BBA-Insurance & Risk Management, and BS-Economics. The bottom row is a 'Total by COLUMNS' row. The table cells are color-coded: data cells are white, and the bottom row and the 'Total by Student' column are orange. Three callout boxes provide instructions: one points to the 'Available Dimensions' area, another points to the 'Total by Student' column, and a third points to the 'ADHE_Year' column.

ADHE_Year	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total by Student
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

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

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

Column and row totals appear in the orange cells.

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.

The screenshot shows a software interface with a table and a 'Dimension editor' dialog box. The table has columns for 'Program' and various time periods. The 'Dimension editor' dialog box is open, showing a list of programs with checkboxes for filtering. The 'Program' dimension is highlighted in yellow in the main interface. The 'Dimension editor' dialog box has a title bar 'Dimension editor : Program' and a list of programs: BA-Mathematics, BS-Mathematics, BSE-Mathematics, MA-Mathematics Education, and MS-Applied Mathematics. The checkboxes for BA-Mathematics and BS-Mathematics are checked (green), while the others are unchecked (red 'X'). The dialog also has a 'Forecasting method' dropdown set to 'Triple Exponential Smoothing' and a 'Items count: 5' label. At the bottom of the dialog are icons for save (green check), cancel (red X), and help (question mark).

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

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:

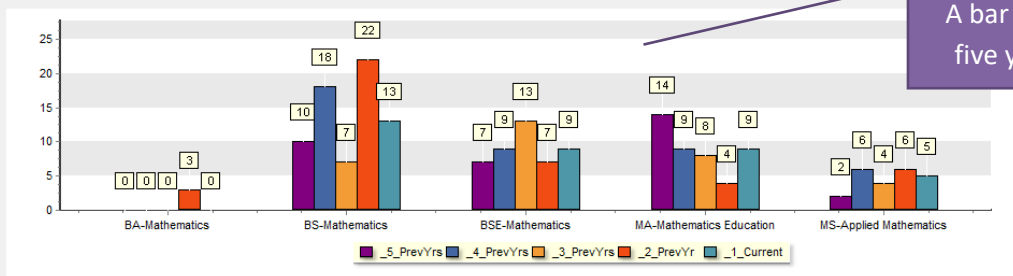
For Current & Previous Years:

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

A five year history of the degrees awarded each ADHE year.

Refer to the purple text to determine the year



A bar graph of the five year history.

Available Dimensions: Department, Graduation Date, Race, Gender, Cip Code

Columns: Program

Program	Total by ROWS				
	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYrs	_1_Fall_Current
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

Level	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
Level	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH
Level	Value	Value	Value	Value	Value	Value	Value	Value
Graduate	27	145	0	133	0	33	1	
HS Concurrent	0	778	6	501		0	0	
Undergraduate	421	8201	92	6003	108	477	139	
Total by COLUMNS	448	9124	98	6637	108	510	140	

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
UCA_Designers.AmberH.TRANSFER TO PROD.Dashboards.Majors & SSCH by Department.Dashboard

ADHE
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

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

MATH 1360
MATH 1390
MATH 1392
MATH 1395
MATH 1491
MATH 1496
MATH 1497
MATH 1580
MATH 2311
MATH 2330
MATH 2335
MATH 2441

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

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_S Off-
Course	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SS
	Value	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		

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:

Level	ADHE_Year	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total by ROWS
SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH
	Value	Value	Value	Value	Value	Value	Value
Graduate	536	479	538	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	

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

5/25/2017 1:46:05
UCA.Administration.Institutional
Research.Dashboards.Majors &
SSCH by
Department.Dashboard

ADHE Year:

College:

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

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

Available Dimensions: Department, Subject, Course, Instructor

Columns: ADHE Term

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

Measures: SSCH

Full-Time Equivalent (FTE)

Available Dimensions: Department, Subject, Course, Instructor

Columns: ADHE Term

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

Measures: FTE

OLAP cubes similar to the other pages.

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.)**

University of Central Arkansas
DFWIs by Department and ADHE Year

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
 College: Business
 Department: Accounting

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.

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

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

Numbers suppressed due to FERPA

F. UG SSCH by Faculty Type

This page displays undergraduate SSCH within a specific department for a course by faculty type. SSCH is calculated based on the credit hours of the course multiplied by enrollment. This page contains data for the fall terms. The OLAP cube displays SSCH for the selected term by level. The available dimensions include faculty type.

Faculty Type	Definition
Full-Time	Full-time continuing faculty.
Part-Time	Adjunct teaching faculty or staff who teach. An adjunct faculty member is also defined as a faculty member who has a contract for one semester.
Visiting	Full-time faculty, who have the following ranks: Visiting Lecturer, Visiting Instructor, Visiting Assistant Professor
Graduate Assistant	Graduate assistants who assist faculty or other instructional staff in postsecondary institutions by performing teaching or teaching related duties

Declared Majors
Degrees Awarded
SSCH by Fiscal Year
SSCH and FTE Fall
UG SSCH Fac Type
DFWI
Time to Degree
Minors
Second Declared

2/13/2026 1:17:24
UCA.Administration.Institutional
Research.Dashboards.Majors &
SSCH by
Department.Dashboard

University of Central Arkansas

UG SSCH by Faculty Type

UNIVERSITY OF
CENTRAL
ARKANSAS™

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 [HERE](#)
University definitions can be found at [HERE](#)

ADHE Year:

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)

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

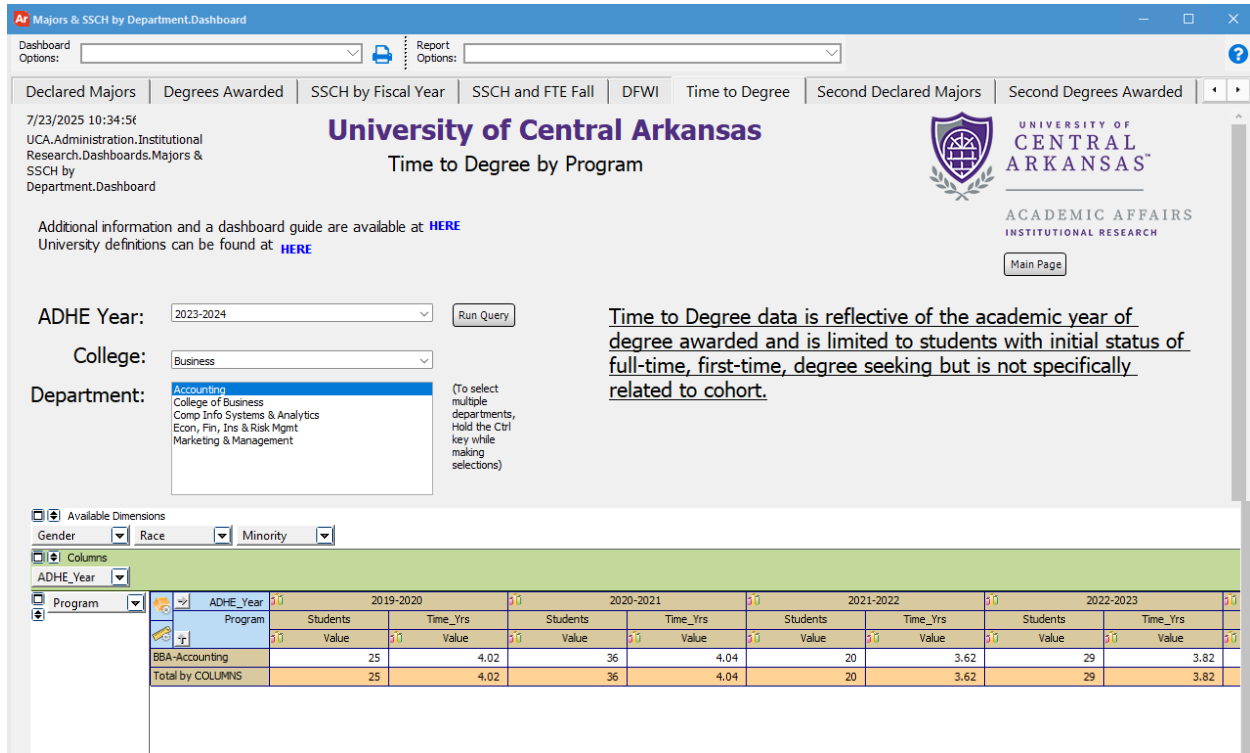
Available Dimensions: Department Subject Course Faculty Type

Columns: ADHE Term

Level	ADHE Term	Fall 2020	Fall 2021	Fall 2022	Fall 2023	Fall 2024	Total by ROWS
	Level	SSCH	SSCH	SSCH	SSCH	SSCH	SSCH
	Value	Value	Value	Value	Value	Value	Value
1_Lower_Division		2,019	1,752	1,917	1,686	1,668	9,042
2_Upper_Division		993	1,020	879	1,038	1,095	5,025
Total by COLUMNS		3,012	2,772	2,796	2,724	2,763	14,067

G. 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.)



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

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

ADHE Year: 2023-2024 Run Query

College: Business

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.

Program	ADHE_Year	2019-2020		2020-2021		2021-2022		2022-2023	
		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

H. 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.)

University of Central Arkansas
Minors by Department

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: 2024-2025

College: Business

Department: Accounting (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_OnSche...
Accounting	10	12

1 Items

Click and drag chart to scroll horizontally

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

I. 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.

The screenshot shows an OLAP interface with the following dimensions: Gender, Race, 2nd Major CIP, and 2nd Major Depa. The table displays data for the 2nd Major dimension, broken down by year from 5 years ago to the current year. The data is as follows:

2nd Major	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYrs	_1_Fall_Current
BBA-Accounting	2	3	2	1	2
Total by COLUMNS	2	3	2	1	2

Data in the OLAP is organized on the student's second majors if it's in the department selected.

J. 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.

The screenshot shows an OLAP interface with the following dimensions: 2nd Major Depa, Gender, Race, Graduation Date, and 2nd Major CIP. The table displays data for the 2nd Major dimension, broken down by year from 5 years ago to the current year. The data is as follows:

2nd Major	_5_Fall_PrevYrs	_4_Fall_PrevYrs	_3_Fall_PrevYrs	_2_Fall_PrevYrs	_1_Fall_Current
BBA-Accounting	1	0	3	1	0
Total by COLUMNS	1	0	3	1	0

Data in the OLAP is organized on the student's second major if it's in the department selected.

K. 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.

Pre-Majors:

For Year Selected: **Fall On-Schedule 2012 & Spring On-Schedule 2013**

Program	Fall_OnSchedule	Spring_OnSche...
Pre-Nursing	439	356

1 items

For Current & Previous Years:

Fall On-Schedule 2008= **_5_Fall_PrevYrs**
 Fall On-Schedule 2009= **_4_Fall_PrevYrs**
 Fall On-Schedule 2010= **_3_Fall_PrevYrs**
 Fall On-Schedule 2011= **_2_Fall_PrevYr**
 Fall On-Schedule 2012= **_1_Fall_Current**

Program	_1_Fall_Current	_2_Fall_PrevYrs	_3_Fall_PrevYrs	_4_Fall_PrevYrs	_5_Fall_PrevYrs
Pre-Nursing	439	334	394	0	0

1 items

A five year history of the degrees awarded each ADHE year.

An OLAP cube for extra filtering as needed

Available Dimensions: Gender, Race, Concentration, Concentration, Concentration

Columns: Program

Program	Total by ROWS				
	_1_Fall_Current	_2_Fall_PrevYrs	_3_Fall_PrevYrs	_4_Fall_PrevYrs	_5_Fall_PrevYrs
ND-Pre-Nursing	Value 439	Value 334	Value 394	Value 0	Value 0
Total by COLUMNS	439	334	394	0	0

Measures: 1 Fall Curren, 2 Fall PrevYrs, 3 Fall PrevYrs, 4 Fall PrevYrs, 5 Fall PrevYrs

Refer to the purple text to determine the year

An OLAP cube for extra filtering as needed

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

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

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

Program	Fall 2012			Fall 2013	Fall 2014	Fall 2015	Fall 2016	Total by ROWS
	Gender	Female	Male	Students	Students	Students	Students	Students
	Students	Students	Students	Students	Students	Students	Students	Students
	Value	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	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

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.

Drag and drop dimensions from the available dimensions area to the columns or rows area to add dimensions.

Drag and drop dimensions from the columns or rows area to the available dimensions area to remove dimensions.

ADHE_Term	Program	Students	Value	Students	Value	Students	Value
Fall 2012	BBA-Accounting	115	222	238	247	218	1,092
	MACC-Accounting	12	14	9	13	13	61
	Total by COLUMNS	127	236	247	260	223	1,093

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

With the Gender dimension in the column area, the different gender categories are displayed horizontal along the top of the OLAP cube

With the Race dimension in the row area, the different race categories are displayed vertically along the left side of the OLAP cube

ADHE_Term	Gender	Fall 2012	Fall 2012	Fall 2012	Fall 2012
Program	Race	Students	Female	Male	Students
Value	Value	Value	Value	Value	Value
BBA-Accounting		115	61	54	
American Indian/Alaskan Native		2	2	0	1
Asian		3	2	1	3
Black		14	9	5	31
Hispanic		2	1	1	6
NR Alien		20	12	8	25
Native Hawaiian/Pacific Islander			0	0	0
Two or more races			9	5	7
Unknown			3	1	1
White		163	167	131	672
MACC-Accounting		9	13	13	61
Total by COLUMNS		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.

The screenshot shows the 'Dimension editor : Race' window. The 'Caption' is 'Race'. There are two checkboxes: 'Enable prev. forecast value' and 'Enable next forecast value', both unchecked. The list of categories includes: American Indian/Alaskan, Asian, Black, Hispanic, NR Alien, Native Hawaiian/Pacific, Two or more races, Unknown, and White. The NR Alien category has a red X icon, and the Unknown category has a blue eye icon. The other categories have a green eye icon. A data table is visible in the background, showing student counts for Fall 2012 and Fall 2013.

Program	ADHE_Term	Fall 2012	Fall 2013
BBA-Accounting		95	197
American Indian/Alaskan		2	1
Asian		3	3
Black		14	31
Hispanic		2	6
Native Hawaiian/Pacific		0	1
Two or more races		1	3
White		66	145
		7	10
		102	207

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

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 Excel document will contain what is currently shown in the OLAP cube, including selected filters.

Right click anywhere within the OLAP cube to display the options menu. Choose Export to Excel (OLE)

Race	Fall 2012	Fall 2013	Fall 2014	Students	Students	Students
	Value	Value	Value	Value	Value	Value
American Indian/Alaskan Native	2	1	0	1	0	4
Asian	3	3	7	8	5	26
Black	14	31	32	40	24	141
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.

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