The Use of Reporting & Data Analytic Tools for Making Data-Driven Management Decisions

Marla M. Bell
Associate Dean
Coll. Of Science & Mathematics
Kennesaw State University

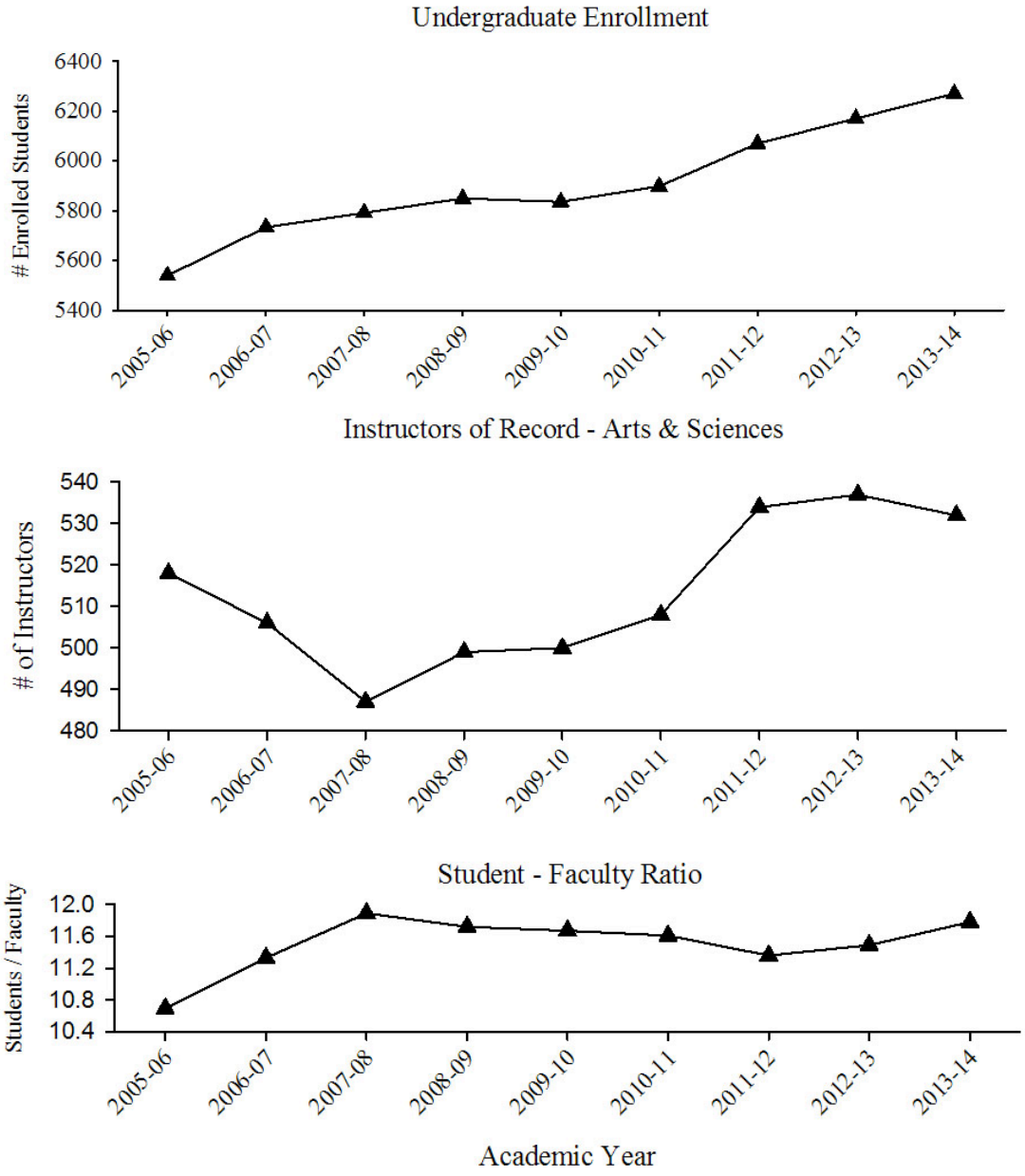
Charles C. Somerville
Dean
College of Science
Marshall University

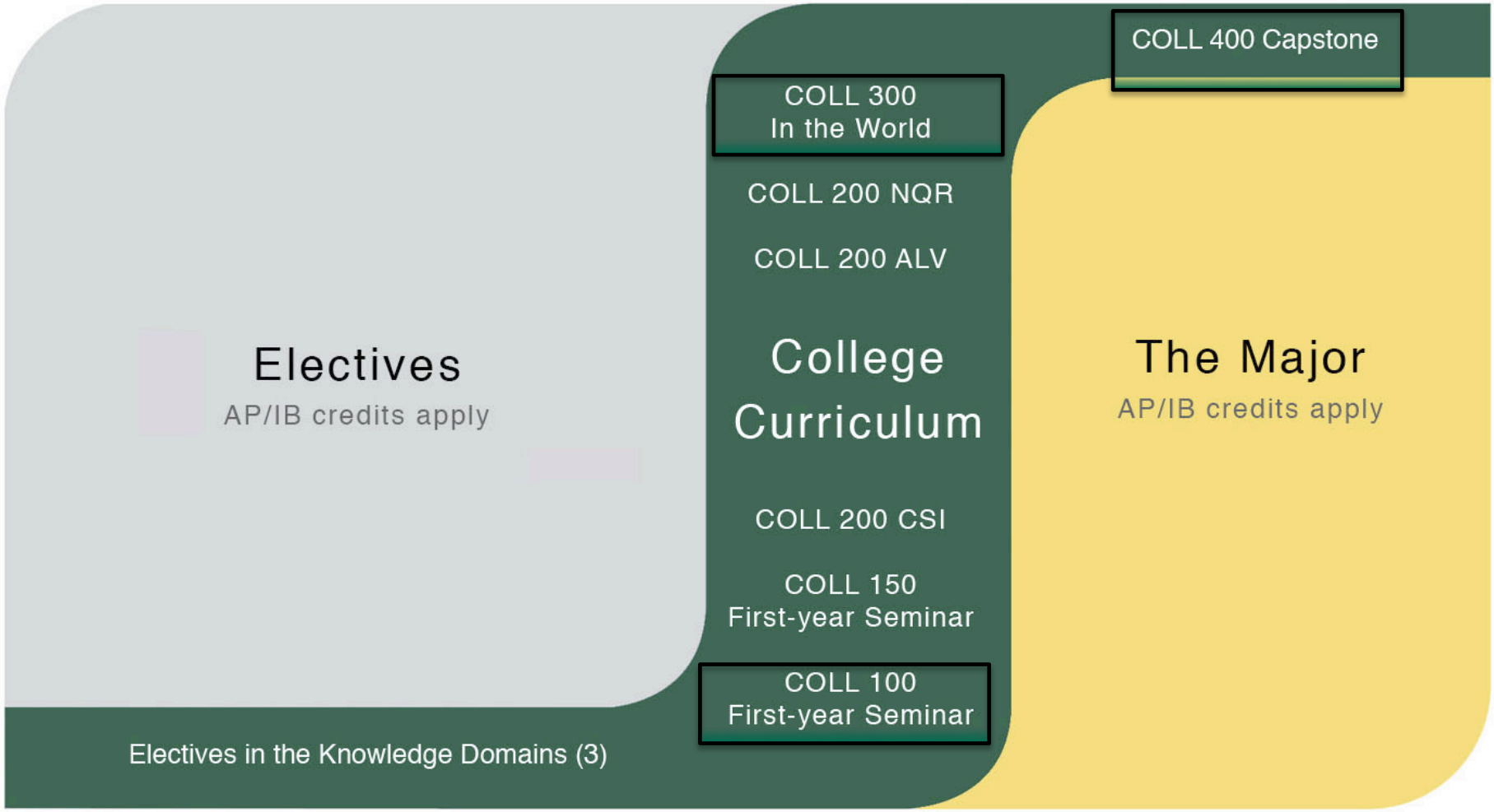
John D. Griffin
Dean Undergraduate Studies
Arts & Sciences
William & Mary

Undergraduate Program @ W&M

Academic Semester:

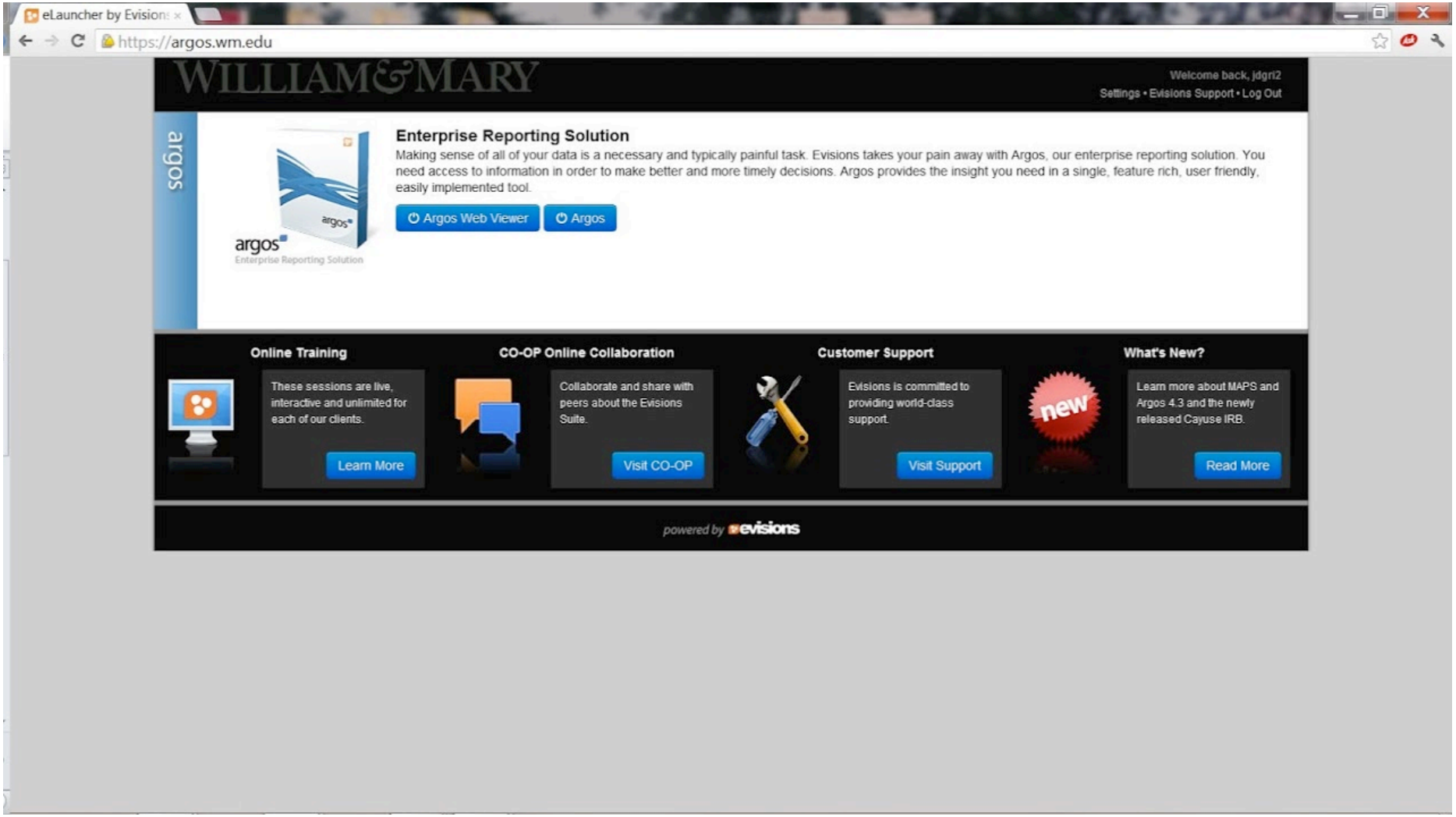
- 6,400 students
- 32,000 seats
- 530 Instructors of Record
- 1,200 course sections
- 32 Departments & Programs
- Over 40 Majors & Minors

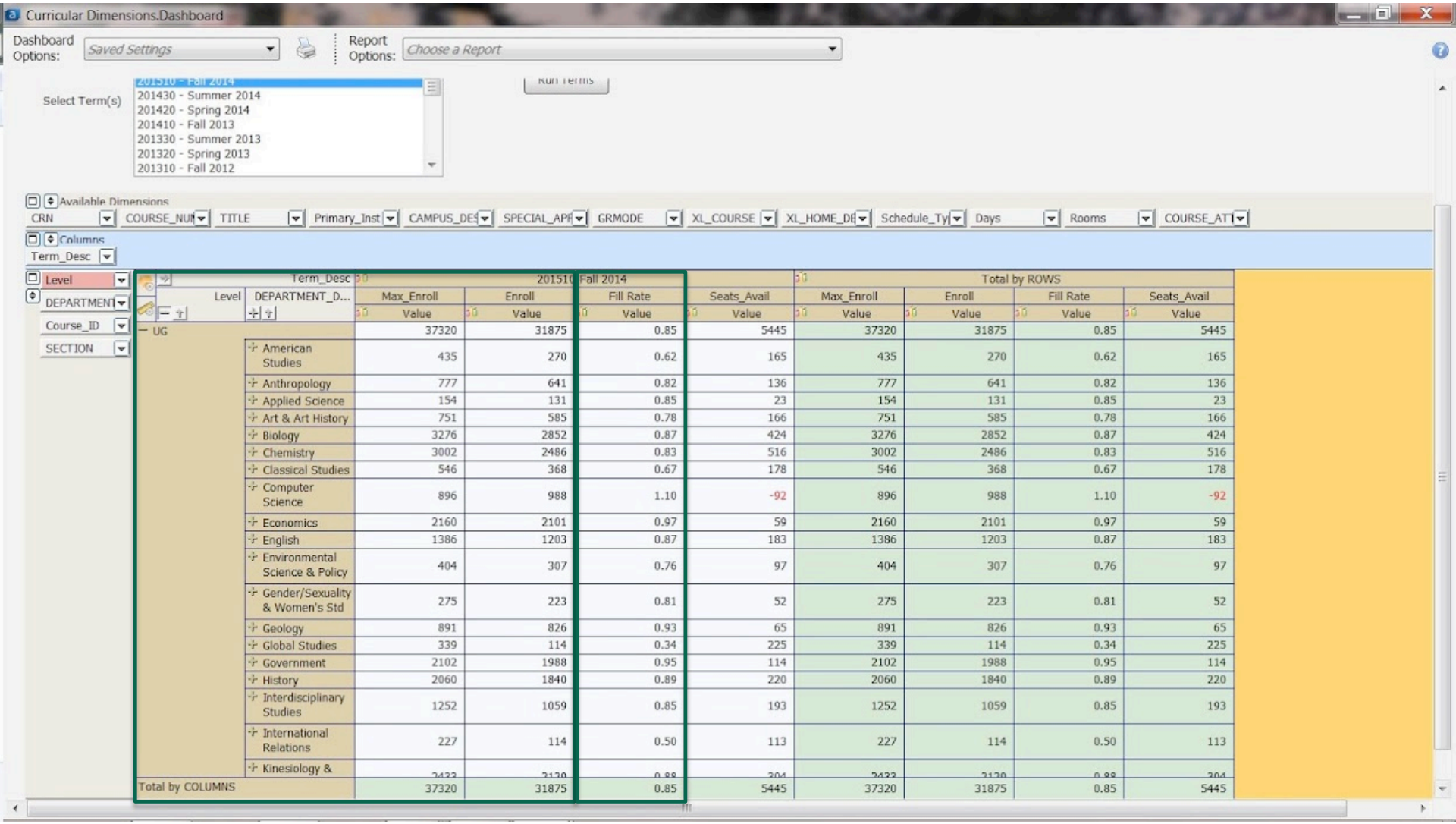

Undergraduate Enrollment
Enrolled Students
6400
6200
6000
5800
5600
5400
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13
2013-14
Instructors of Record - Arts & Sciences
# of Instructors
540
530
520
510
500
490
480
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13
2013-14
Student - Faculty Ratio
Students / Faculty
12.0
11.6
11.2
10.8
10.4
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13
2013-14
Academic Year


COLL 400 Capstone
COLL 300
In the World
COLL 200 NQR
COLL 200 ALV
Electives
AP/IB credits apply
College
Curriculum
The Major
AP/IB credits apply
COLL 200 CSI
COLL 150
First-year Seminar
COLL 100
First-year Seminar
Electives in the Knowledge Domains (3)

Banner

Argos – Enterprise Reporting Solution

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Saved Settings
Report Options:
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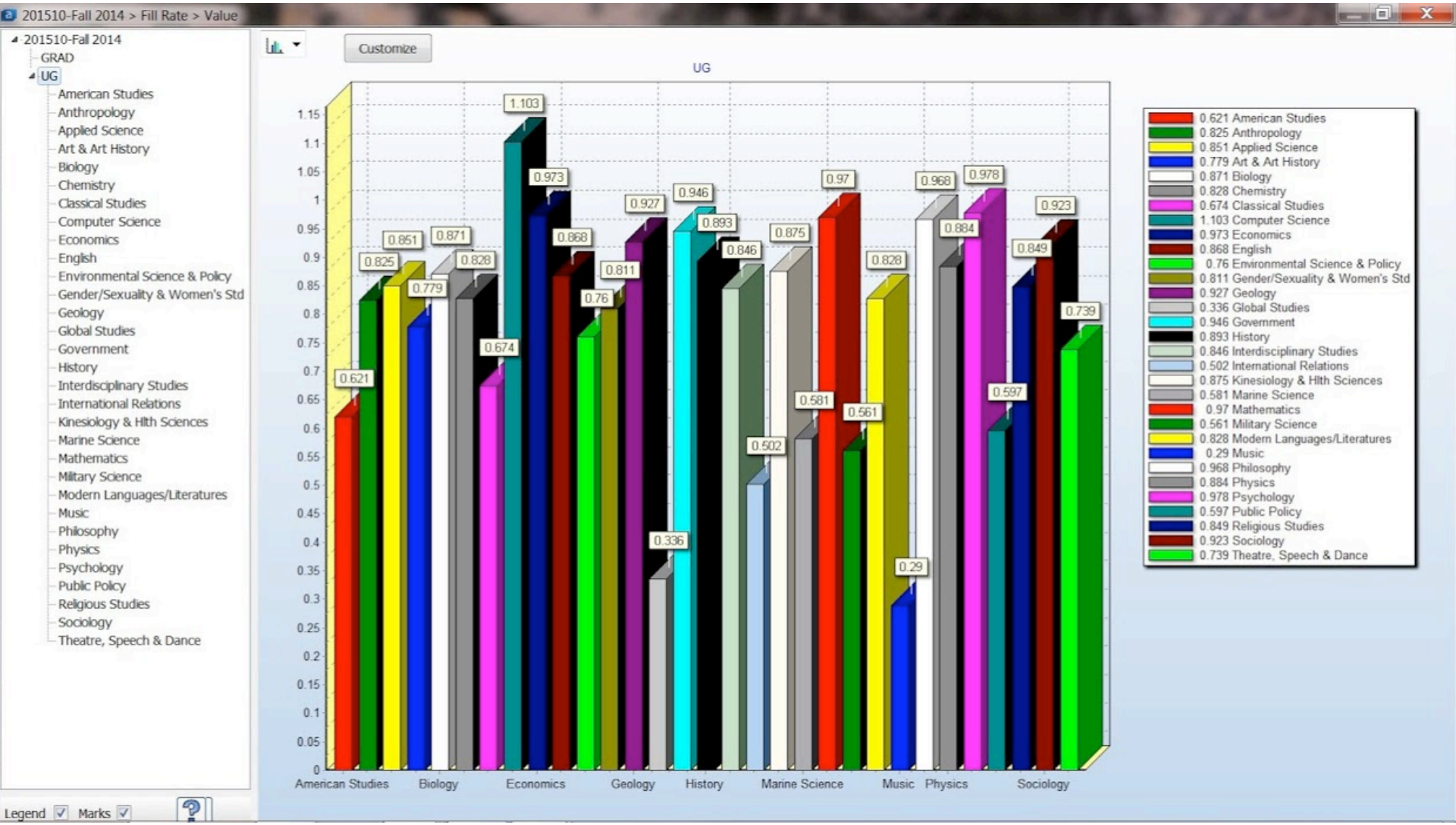
Select Term(s)
201430 - Summer 2014
201420 - Spring 2014
201410 - Fall 2013
201330 - Summer 2013
201320 - Spring 2013
201310 - Fall 2012
Available Dimensions
CRN
COURSE_NUM
TITLE
Primary_Inst
CAMPUS_DES
SPECIAL_API
GRMODE
XL_COURSE
XL_HOME_DE
Schedule_Ty
Days
Rooms
COURSE_ATT
Columns
Term_Desc
Level
DEPARTMENT
Course_ID
SECTION
Term_Desc
201510
Fall 2014
Total by ROWS
Level
DEPARTMENT_D...
Max_Enroll
Enroll
Fill Rate
Seats_Avail
Value
UG
American Studies
Anthropology
Applied Science
Art & Art History
Biology
Chemistry
Classical Studies
Computer Science
Economics
English
Environmental Science & Policy
Gender/Sexuality & Women's Std
Geology
Global Studies
Government
History
Interdisciplinary Studies
International Relations
Kinesiology &
Total by COLUMNS


201510-Fall 2014 > Fill Rate > Value
201510-Fall 2014
GRAD
UG
American Studies
Anthropology
Applied Science
Art & Art History
Biology
Chemistry
Classical Studies
Computer Science
Economics
English
Environmental Science & Policy
Gender/Sexuality & Women's Std
Geology
Global Studies
Government
History
Interdisciplinary Studies
International Relations
Kinesiology & Hlth Sciences
Marine Science
Mathematics
Military Science
Modern Languages/Literatures
Music
Philosophy
Physics
Psychology
Public Policy
Religious Studies
Sociology
Theatre, Speech & Dance
Customize
UG
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.621
0.825
0.851
0.779
0.871
0.828
0.674
1.103
0.973
0.868
0.76
0.811
0.927
0.336
0.946
0.893
0.846
0.502
0.875
0.581
0.97
0.561
0.828
0.29
0.968
0.884
0.978
0.597
0.849
0.923
0.739
American Studies
Biology
Economics
Geology
History
Marine Science
Music
Physics
Sociology
0.621 American Studies
0.825 Anthropology
0.851 Applied Science
0.779 Art & Art History
0.871 Biology
0.828 Chemistry
0.674 Classical Studies
1.103 Computer Science
0.973 Economics
0.868 English
0.76 Environmental Science & Policy
0.811 Gender/Sexuality & Women's Std
0.927 Geology
0.336 Global Studies
0.946 Government
0.893 History
0.846 Interdisciplinary Studies
0.502 International Relations
0.875 Kinesiology & Hlth Sciences
0.581 Marine Science
0.97 Mathematics
0.561 Military Science
0.828 Modern Languages/Literatures
0.29 Music
0.968 Philosophy
0.884 Physics
0.978 Psychology
0.597 Public Policy
0.849 Religious Studies
0.923 Sociology
0.739 Theatre, Speech & Dance
Legend
Marks

201510-Fall 2014 > Enroll > Value
201510-Fall 2014
GRAD
UG
American Studies
Anthropology
Applied Science
Art & Art History
Biology
Chemistry
Classical Studies
Computer Science
Economics
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Environmental Science & Policy
Gender/Sexuality & Women's Std
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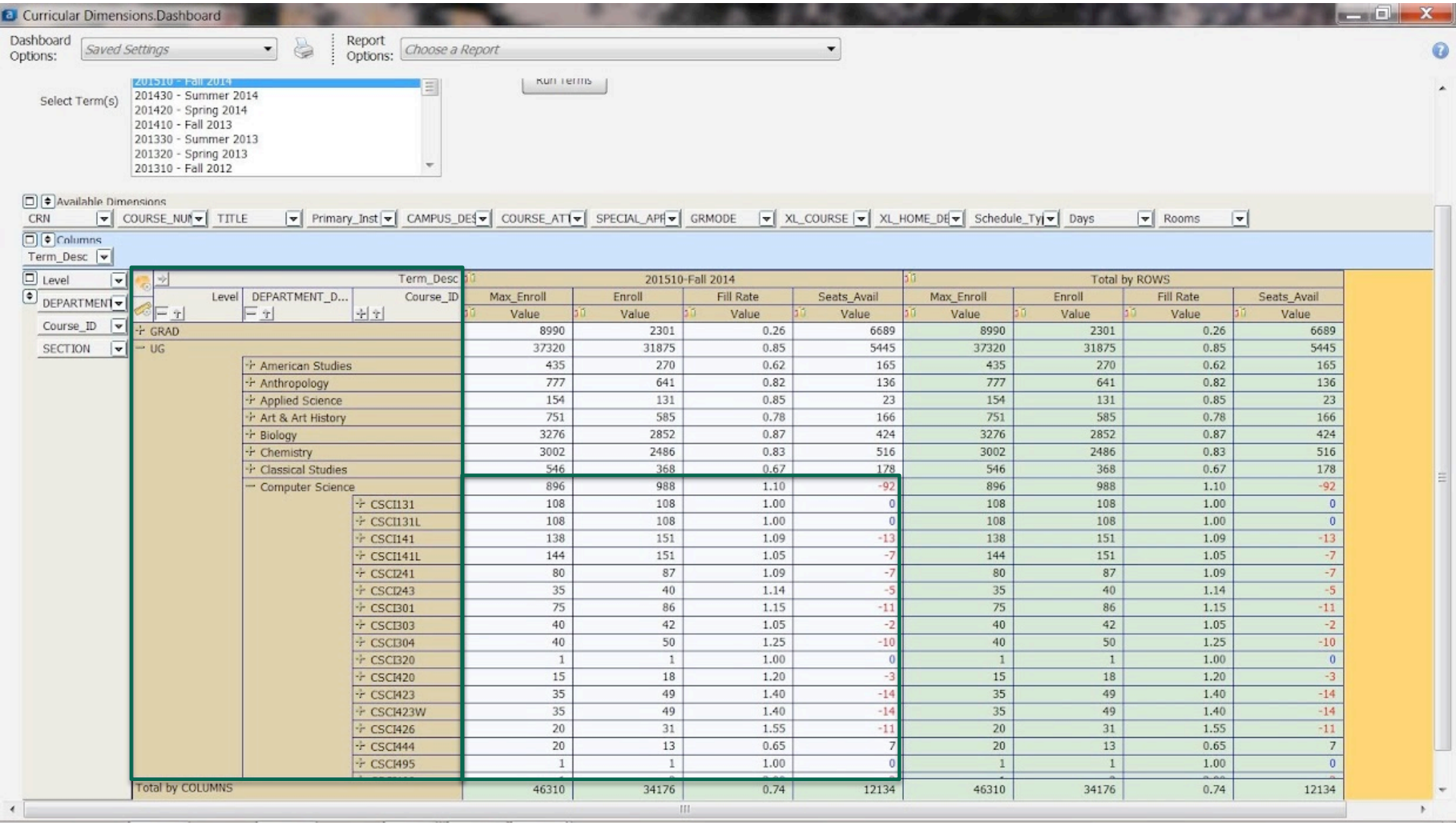
Philosophy
Physics
Psychology
Public Policy
Religious Studies
Sociology
Theatre, Speech & Dance
Customize
UG
American Studies
Biology
Economics
Geology
History
Marine Science
Music
Physics
Sociology
270 American Studies
641 Anthropology
131 Applied Science
585 Art & Art History
2,852 Biology
2,486 Chemistry
368 Classical Studies
988 Computer Science
2,101 Economics
1,203 English
307 Environmental Science & Policy
223 Gender/Sexuality & Women's Std
826 Geology
114 Global Studies
1,988 Government
1,840 History
1,059 Interdisciplinary Studies
114 International Relations
2,129 Kinesiology & Hlth Sciences
100 Marine Science
1,774 Mathematics
119 Military Science
2,084 Modern Languages/Literatures
349 Music
806 Philosophy
1,614 Physics
2,357 Psychology
37 Public Policy
662 Religious Studies
938 Sociology
810 Theatre, Speech & Dance
Legend
Marks


Curricular Dimensions.Dashboard
Dashboard Options:
Saved Settings
Report Options:
Choose a Report
Select Term(s)
201510 - Fall 2014
201430 - Summer 2014
201420 - Spring 2014
201410 - Fall 2013
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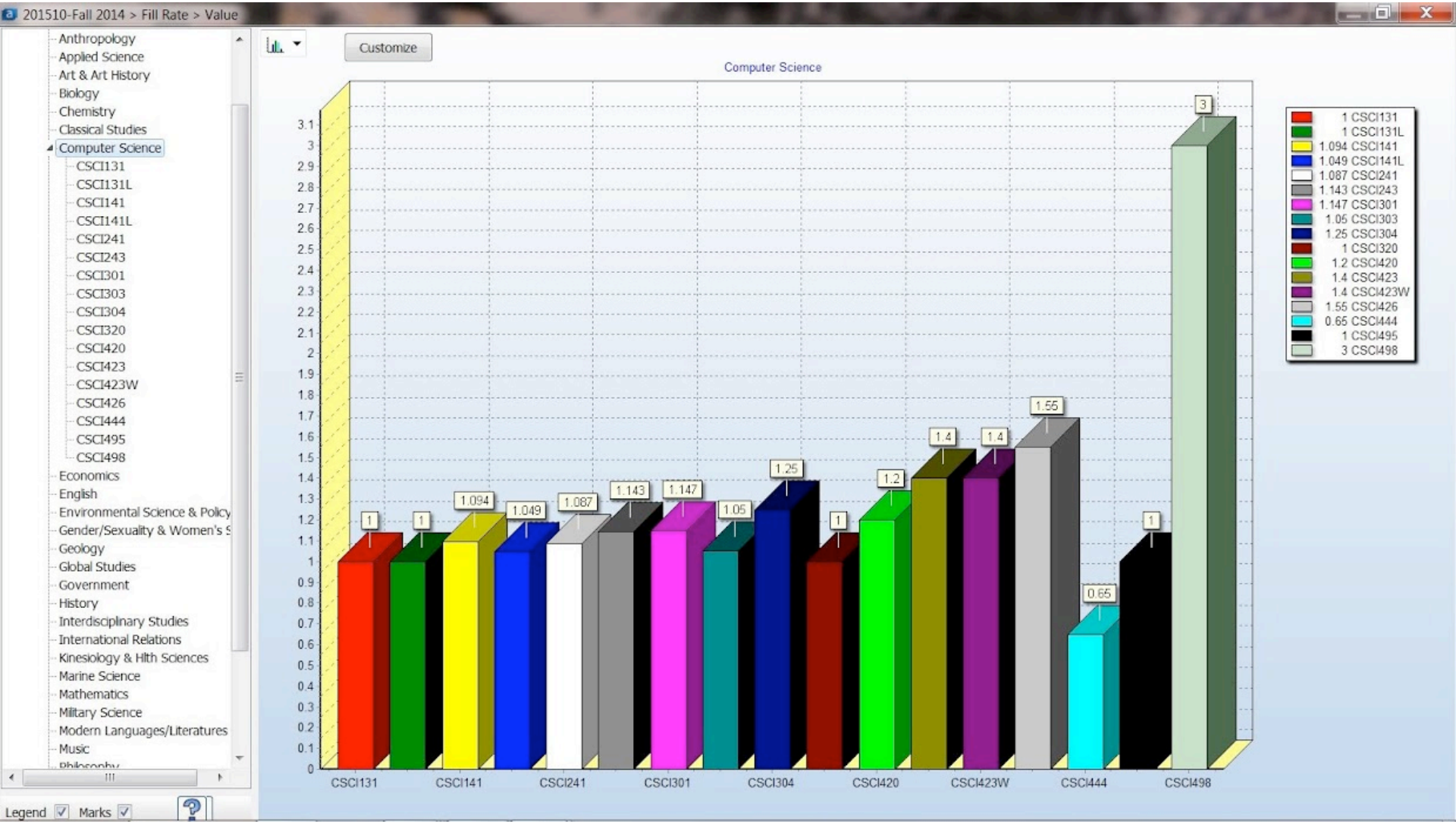
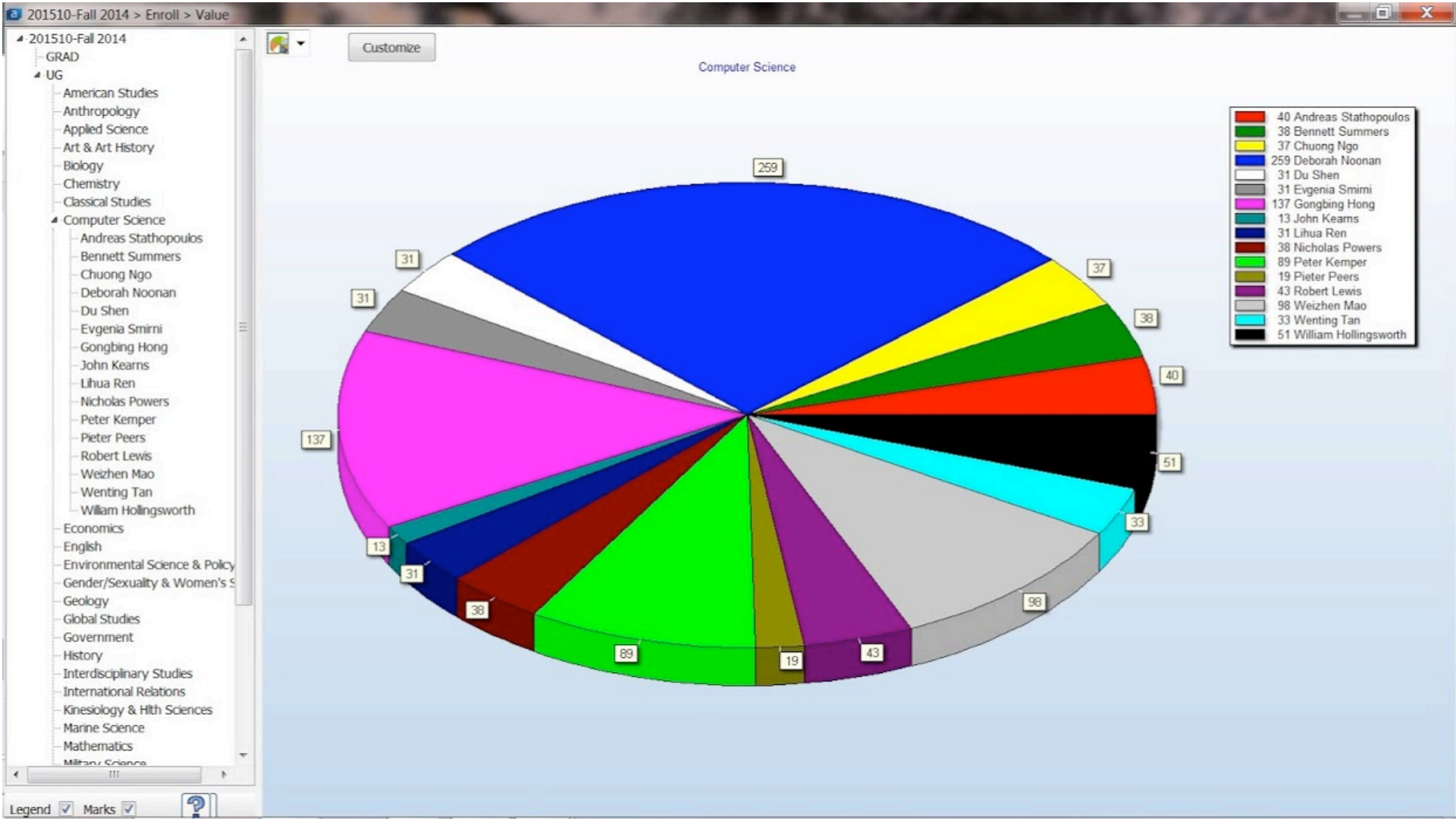
Run Terms
Available Dimensions
CRN
COURSE_NUM
TITLE
Primary_Inst
CAMPUS_DES
COURSE_ATT
SPECIAL_APP
GRMODE
XL_COURSE
XL_HOME_DE
Schedule_Ty
Days
Rooms
Columns
Term_Desc
Level
DEPARTMENT
Course_ID
SECTION
Term_Desc
201510-Fall 2014
Total by ROWS
Level
DEPARTMENT_D...
Course_ID
Max_Enroll
Enroll
Fill Rate
Seats_Avail
Value
GRAD 8990 2301 0.26 6689
UG 37320 31875 0.85 5445
American Studies 435 270 0.62 165
Anthropology 777 641 0.82 136
Applied Science 154 131 0.85 23
Art & Art History 751 585 0.78 166
Biology 3276 2852 0.87 424
Chemistry 3002 2486 0.83 516
Classical Studies 546 368 0.67 178
Computer Science 896 988 1.10 -92
CSCI131 108 108 1.00 0
CSCI131L 108 108 1.00 0
CSCI141 138 151 1.09 -13
CSCI141L 144 151 1.05 -7
CSCI241 80 87 1.09 -7
CSCI243 35 40 1.14 -5
CSCI301 75 86 1.15 -11
CSCI303 40 42 1.05 -2
CSCI304 40 50 1.25 -10
CSCI320 1 1 1.00 0
CSCI420 15 18 1.20 -3
CSCI423 35 49 1.40 -14
CSCI423W 35 49 1.40 -14
CSCI426 20 31 1.55 -11
CSCI444 20 13 0.65 7
CSCI495 1 1 1.00 0
Total by COLUMNS 46310 34176 0.74 12134

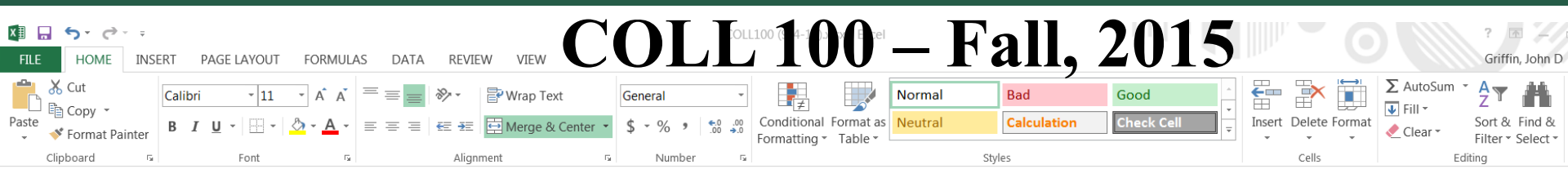

201510-Fall 2014 > Fill Rate > Value
Anthropology
Applied Science
Art & Art History
Biology
Chemistry
Classical Studies
Computer Science
CSCI131
CSCI131L
CSCI141
CSCI141L
CSCI241
CSCI243
CSCI301
CSCI303
CSCI304
CSCI320
CSCI420
CSCI423
CSCI423W
CSCI426
CSCI444
CSCI495
CSCI498
Economics
English
Environmental Science & Policy
Gender/Sexuality & Women's S
Geology
Global Studies
Government
History
Interdisciplinary Studies
International Relations
Kinesiology & Hlth Sciences
Marine Science
Mathematics
Military Science
Modern Languages/Literatures
Music
Legend
Marks
Customize
Computer Science
1 CSCI131
1 CSCI131L
1.094 CSCI141
1.049 CSCI141L
1.087 CSCI241
1.143 CSCI243
1.147 CSCI301
1.05 CSCI303
1.25 CSCI304
1 CSCI320
1.2 CSCI420
1.4 CSCI423
1.4 CSCI423W
1.55 CSCI426
0.65 CSCI444
1 CSCI495
3 CSCI498
CSCI131
CSCI141
CSCI241
CSCI301
CSCI304
CSCI420
CSCI423W
CSCI444
CSCI498


201510-Fall 2014 > Enroll > Value
201510-Fall 2014
GRAD
UG
American Studies
Anthropology
Applied Science
Art & Art History
Biology
Chemistry
Classical Studies
Computer Science
Andreas Stathopoulos
Bennett Summers
Chuong Ngo
Deborah Noonan
Du Shen
Evgenia Smirni
Gongbing Hong
John Kearns
Lihua Ren
Nicholas Powers
Peter Kemper
Pieter Peers
Robert Lewis
Weizhen Mao
Wenting Tan
William Hollingsworth
Economics
English
Environmental Science & Policy
Gender/Sexuality & Women's S
Geology
Global Studies
Government
History
Interdisciplinary Studies
International Relations
Kinesiology & Hlth Sciences
Marine Science
Mathematics
Customize
Computer Science
40 Andreas Stathopoulos
38 Bennett Summers
37 Chuong Ngo
259 Deborah Noonan
31 Du Shen
31 Evgenia Smirni
137 Gongbing Hong
13 John Kearns
31 Lihua Ren
38 Nicholas Powers
89 Peter Kemper
19 Pieter Peers
43 Robert Lewis
98 Weizhen Mao
33 Wenting Tan
51 William Hollingsworth
259
37
38
40
51
33
98
43
19
89
38
31
13
137
31
31
Legend
Marks

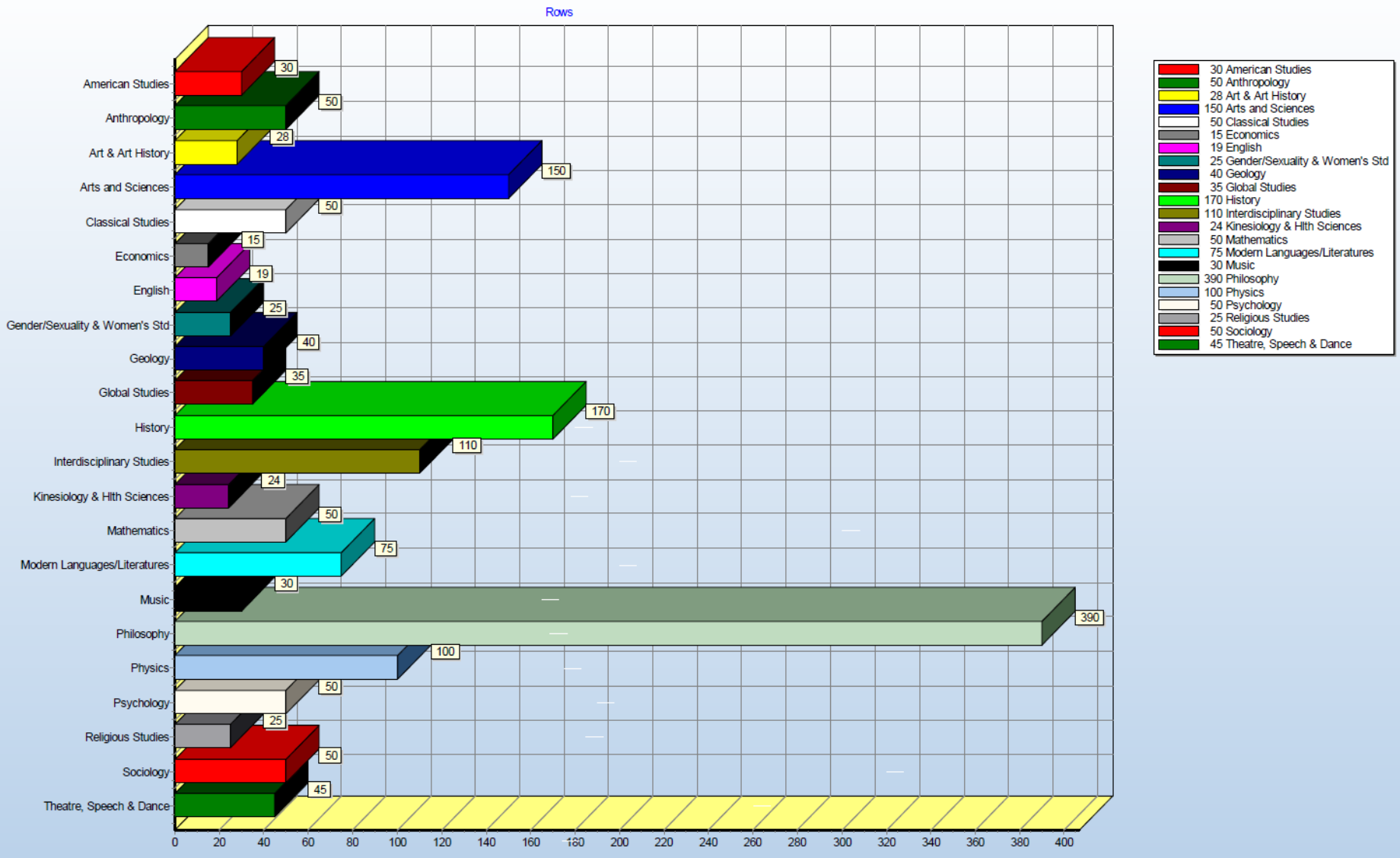
COLL100:			
	Fall Term:	**Spring Term:**	**Academic Year:**
Number of Course Sections:	34	34	68
Number of Seats:	794	783	1577
Target Number of Seats: *Based on running program at 90% Capacity.	850	850	1700

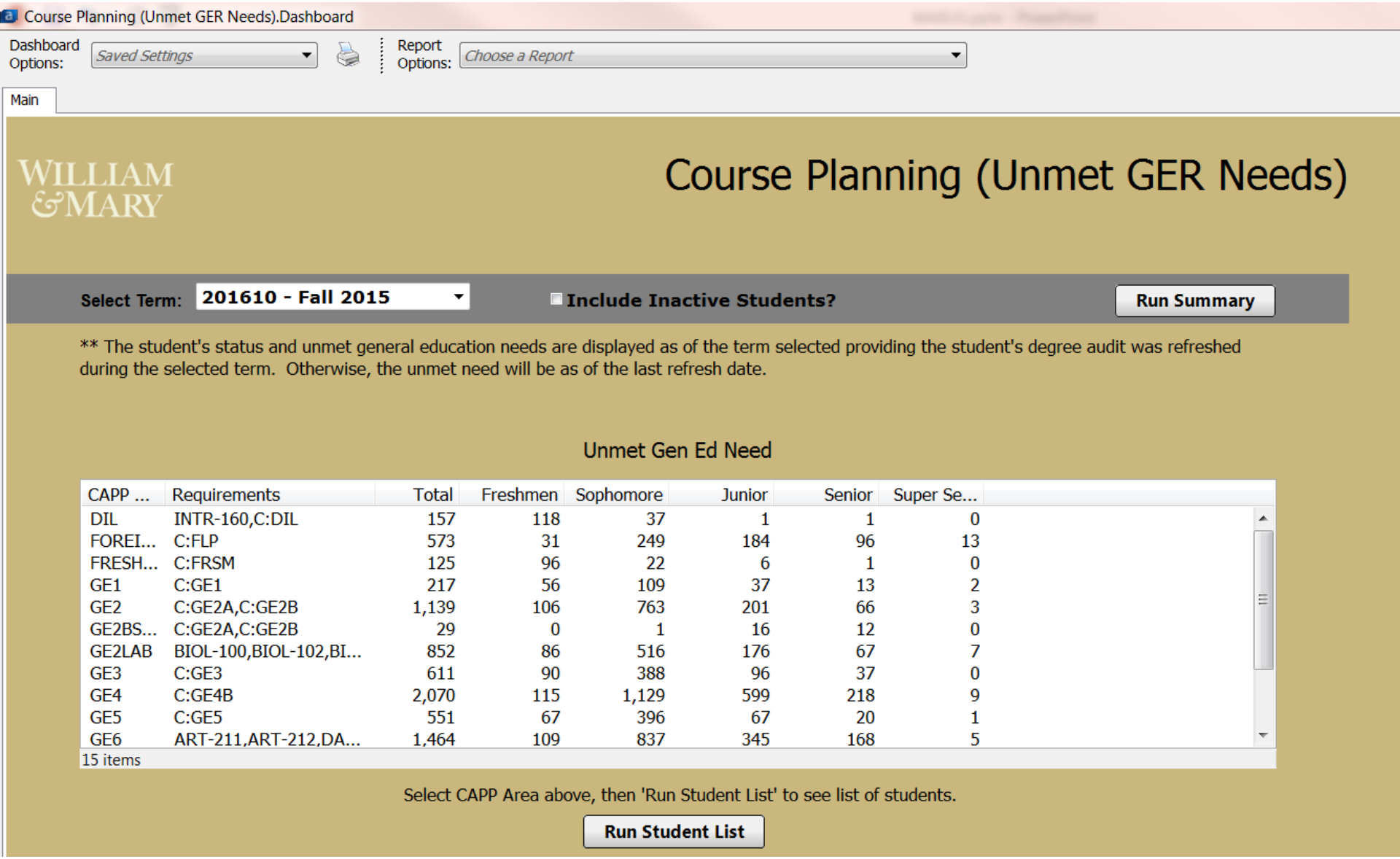
COLL150:			
	Fall Term:	**Spring Term:**	**Academic Year:**
Number of Course Sections:	71	45	116
Number of Seats:	993	640	1633
Target Number of Seats: *Based on running program at 90% Capacity.	850	850	1700

COLL 100 – Fall, 2015



Term_Desc							201610-Fall 2015				201620-Spring 2016				Total by ROWS			
							Max_Enroll	Enroll	Fill Rate	Seats_Avail	Max_Enroll	Enroll	Fill Rate	Seats_Avail	Max_Enroll	Enroll	Fill Rate	Seats_Avail
DEPARTMENT_DESC	Course_ID	SECTION	TITLE	Primary_Inst	COURSE_ATTR	XL_COURSE	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
American Studies	AMST100						0	0	0.00	0	30	0	0.00	30	30	0	0.00	30
		1	Race in America	Hannah Rosen	C100	()	0	0	0.00	0	15	0	0.00	15	15	0	0.00	15
		2	Media Seductions	Elizabeth Losh	C100	()	0	0	0.00	0	15	0	0.00	15	15	0	0.00	15
Anthropology	ANTH100	1					25	25	1.00	0	25	0	0.00	25	50	25	0.50	25
			Archaelogy of the Anthropocene	Martin Gallivan	C100	()	25	25	1.00	0	0	0	0.00	0	25	25	1.00	0
			Where is the Middle East	Jonathan Glasser	C100	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
Art & Art History							14	13	0.93	1	14	0	0.00	14	28	13	0.46	15
	ART100	1					14	13	0.93	1	7	0	0.00	7	21	13	0.62	8
			Artists & Their Writings	Elizabeth Mead	ACTV, C100	ART100 01,ARTH100 01()	0	0	0.00	0	7	0	0.00	7	7	0	0.00	7
			Flesh of the World: The Hand	Michael Gaynes	C100	()	14	13	0.93	1	0	0	0.00	0	14	13	0.93	1
	ARTH100	1	Artists & Their Writings	Charles Palermo	C100	ART100 01,ARTH100 01()	0	0	0.00	0	7	0	0.00	7	7	0	0.00	7
Arts and Sciences	COLL100						75	78	1.04	-3	75	0	0.00	75	150	78	0.52	72
		1					25	27	1.08	-2	25	0	0.00	25	50	27	0.54	23
			Creativity	Ann Stock	C100, MDLL	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
			Critiquing the American Dream	John Riofrio	C100, LASH	()	25	27	1.08	-2	0	0	0.00	0	25	27	1.08	-2
		2	Human Rights	Teresa Longo	C100, LASH	()	25	26	1.04	-1	0	0	0.00	0	25	26	1.04	-1
		3					25	25	1.00	0	25	0	0.00	25	50	25	0.50	25
			Communication and Technology	Bruce Campbell	C100, MDLL	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
			Cosmology & History of Wonder	Eugene Tracy	C100	()	25	25	1.00	0	0	0	0.00	0	25	25	1.00	0
		6	Isaac Newton and a Totem Pole	Carey Bagdassarian	C100	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
Classical Studies	CLCV100	2	Why Water Mattered	Georgia Irby	C100	()	25	23	0.92	2	25	0	0.00	25	50	23	0.46	27
Economics	ECON400	2	Urban Economic Development		ECWR, RESC	()	0	0	0.00	0	15	0	0.00	15	15	0	0.00	15
English	ENGL100	1	Language & Innovation	Paula Blank	C100	()	0	0	0.00	0	19	0	0.00	19	19	0	0.00	19
Gender/Sexuality & Women's Std	GSWS100	1	Gender	Jennifer Putzi	C100	()	25	25	1.00	0	0	0	0.00	0	25	25	1.00	0
Geology	GEOL100	1	Weather, Climate & Change	Christopher Bailey	C100	()	40	40	1.00	0	0	0	0.00	0	40	40	1.00	0
Global Studies							10	5	0.50	5	25	0	0.00	25	35	5	0.14	30
	LAS100	1					5	5	1.00	0	25	0	0.00	25	30	5	0.17	25
			Atlantic Empires/Globalization	Fabricio Prado	C100, GBSL, LASI	HIST100 03,LAS100 01()	5	5	1.00	0	0	0	0.00	0	5	5	1.00	0
			Sacred Music in Latin America	Michael Iyanaga	C100, GBSL	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
	LAS290	4	IntroCaribbean Cltr & Identity	Iyabo Osiapem	C100, GBSL, LATE	AFST218 01,LAS290 04()	5	0	0.00	5	0	0	0.00	0	5	0	0.00	5
Physics	PHYS100						50	53	1.06	-3	50	0	0.00	50	100	53	0.53	47
		1	Scales in the Universe	Rosa Lukaszew	C100	()	25	25	1.00	0	0	0	0.00	0	25	25	1.00	0
		2					25	28	1.12	-3	25	0	0.00	25	50	28	0.56	22
			Great Ideas of Modern Physics	Joshua Erlich	C100	()	25	28	1.12	-3	0	0	0.00	0	25	28	1.12	-3
			Rocketry	Wouter Deconinck	C100	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
		3	Scales in the Universe	Rosa Lukaszew	C100	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
Psychology	PSYC100						0	0	0.00	0	50	0	0.00	50	50	0	0.00	50
		1	Interplay of Nature & Nurture	Catherine Forestell	C100	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
		2	Interplay of Nature & Nurture	Christopher Conway	C100	()	0	0	0.00	0	25	0	0.00	25	25	0	0.00	25
Religious Studies	RELG100	1	Religion & American Youth	Anne Blazer	C100	()	25	25	1.00	0	0	0	0.00	0	25	25	1.00	0
Sociology	SOCL100	1	Social Justice	Judith Hand	C100	()	25	24	0.96	1	25	0	0.00	25	50	24	0.48	26
Theatre, Speech & Dance	THEA100						45	36	0.80	9	0	0	0.00	0	45	36	0.80	9
		2	Divas and Muses	Laurie Wolf	C100	()	20	12	0.60	8	0	0	0.00	0	20	12	0.60	8
		3	The Storyteller's Journey	Matthew Allar	C100	()	25	24	0.96	1	0	0	0.00	0	25	24	0.96	1
Total by COLUMNS							794	766	0.96	28	767	0	0.00	767	1561	766	0.49	795


Rows
American Studies
Anthropology
Art & Art History
Arts and Sciences
Classical Studies
Economics
English
Gender/Sexuality & Women's Std
Geology
Global Studies
History
Interdisciplinary Studies
Kinesiology & Hlth Sciences
Mathematics
Modern Languages/Literatures
Music
Philosophy
Physics
Psychology
Religious Studies
Sociology
Theatre, Speech & Dance
30
50
28
150
50
15
19
25
40
35
170
110
24
50
75
30
390
100
50
25
50
45
0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
30 American Studies
50 Anthropology
28 Art & Art History
150 Arts and Sciences
50 Classical Studies
15 Economics
19 English
25 Gender/Sexuality & Women's Std
40 Geology
35 Global Studies
170 History
110 Interdisciplinary Studies
24 Kinesiology & Hlth Sciences
50 Mathematics
75 Modern Languages/Literatures
30 Music
390 Philosophy
100 Physics
50 Psychology
25 Religious Studies
50 Sociology
45 Theatre, Speech & Dance


Course Planning (Unmet GER Needs).Dashboard
Dashboard Options:
Saved Settings
Report Options:
Choose a Report
Main
WILLIAM & MARY
Course Planning (Unmet GER Needs)
Select Term:
201610 - Fall 2015
Include Inactive Students?
Run Summary
** The student's status and unmet general education needs are displayed as of the term selected providing the student's degree audit was refreshed during the selected term. Otherwise, the unmet need will be as of the last refresh date.
Unmet Gen Ed Need
CAPP ... Requirements Total Freshmen Sophomore Junior Senior Super Se...
DIL INTR-160,C:DIL 157 118 37 1 1 0
FOREI... C:FLP 573 31 249 184 96 13
FRESH... C:FRSM 125 96 22 6 1 0
GE1 C:GE1 217 56 109 37 13 2
GE2 C:GE2A,C:GE2B 1,139 106 763 201 66 3
GE2BS... C:GE2A,C:GE2B 29 0 1 16 12 0
GE2LAB BIOL-100,BIOL-102,BI... 852 86 516 176 67 7
GE3 C:GE3 611 90 388 96 37 0
GE4 C:GE4B 2,070 115 1,129 599 218 9
GE5 C:GE5 551 67 396 67 20 1
GE6 ART-211,ART-212,DA... 1,464 109 837 345 168 5
15 items
Select CAPP Area above, then 'Run Student List' to see list of students.
Run Student List

Undergraduate Student Success 20150909.Dashboard

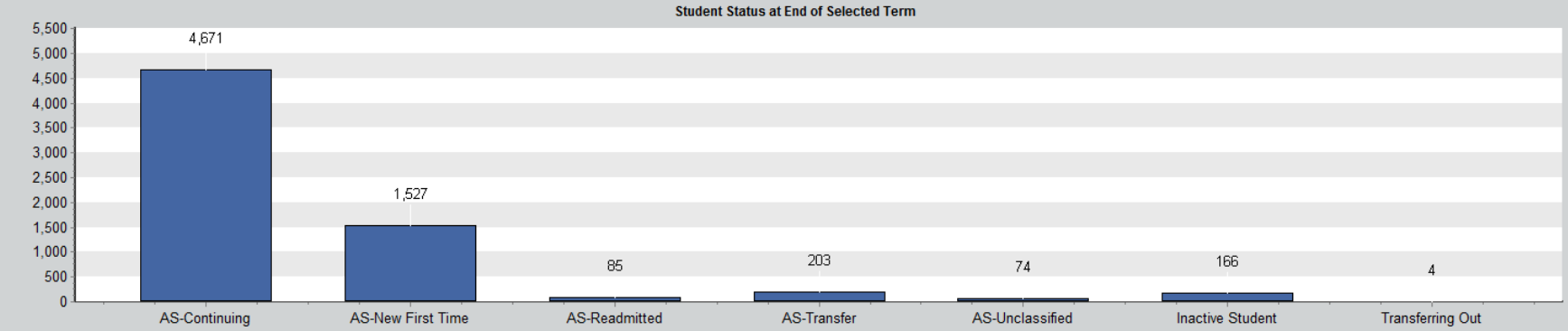
Dashboard Options: Saved Dashboard Settings | Report Options: Choose a Report

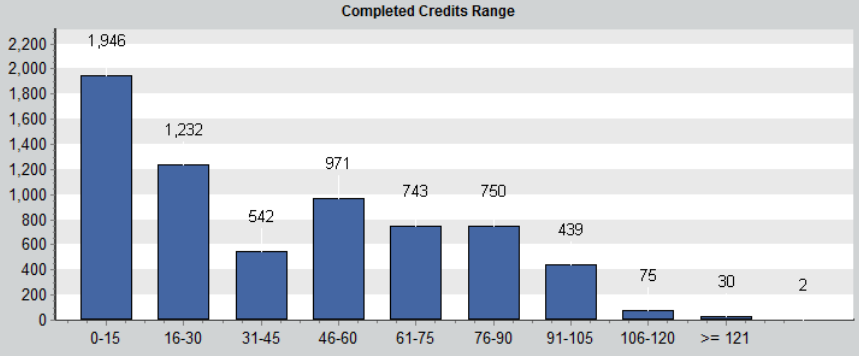
WILLIAM & MARY
CHARTERED 1693

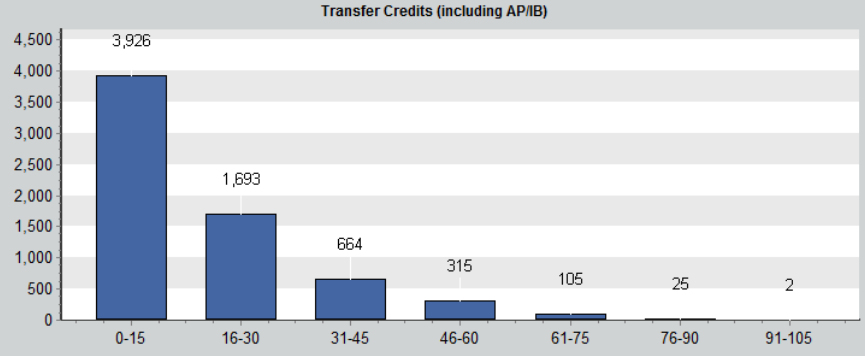
Argos Documentation >

Term: 201610 - Fall 2015 **Student Type:** All Students **Run Charts** **Run OLAP**

Additional analysis of the bar charts below can be completed using the Run OLAP button above.

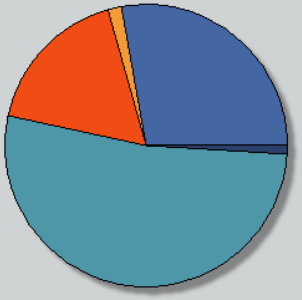




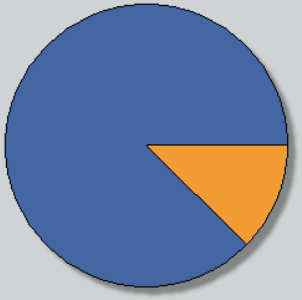


Hover over pie chart slices to display content and count. Click on a pie chart to generate a popup window with supporting details.

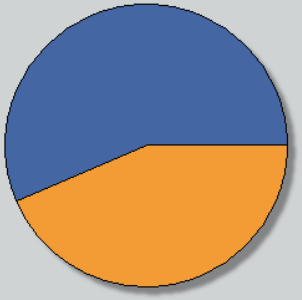
Instituitonal GPA Range



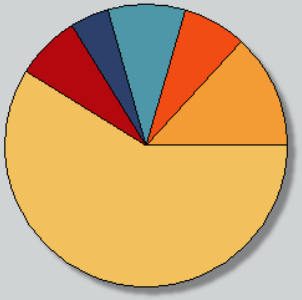
Study Abroad



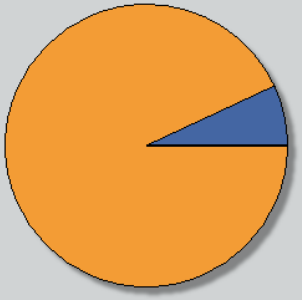
Gender



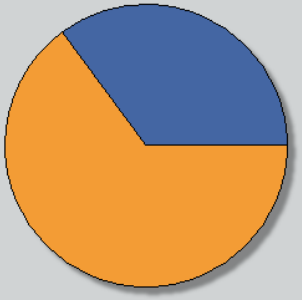
Ethnicity



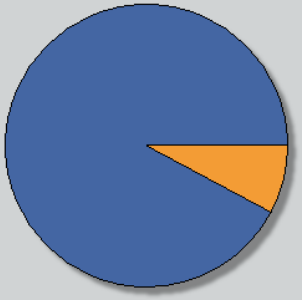
Citizenship



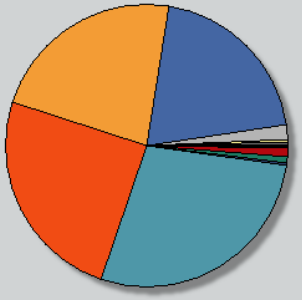
Instate Status



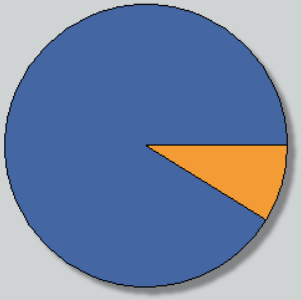
Athlete



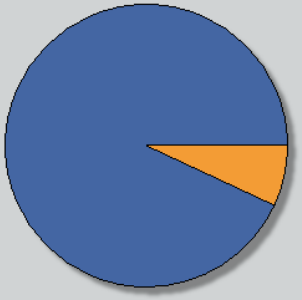
Term Admitted



Double Major



Minor



WILLIAM & MARY
CHARTERED 1693

Argos Documentation >

Term: 201610 - Fall 2015
Student Type: All Students

Back to Charts

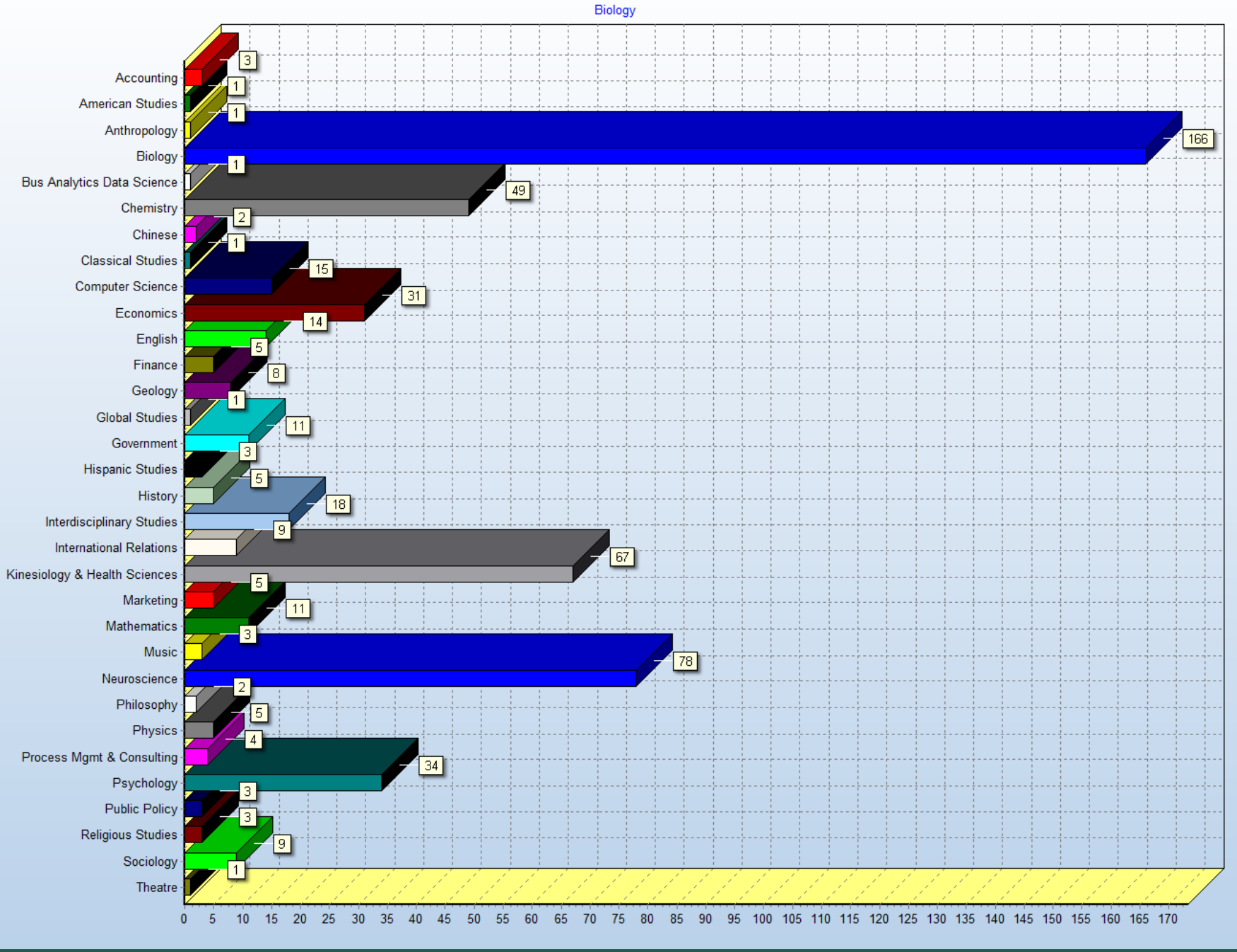
Available Dimensions

Gender	Ethnicity	Citizenship In	Nation Of Citi	In State Ind	PermState	Double Major	Second Majo	Minor Ind	Minor	Degree	Interest2	Interest3	Interest4	First AS Perio
Entry Major	Entry Minor	Program	Athlete Ind	SAT Math	SAT Verbal	SAT Writing	ACT Compos	Advisor	Completed T	Last Register	High School	High School	Previous Colle	Previous Colle

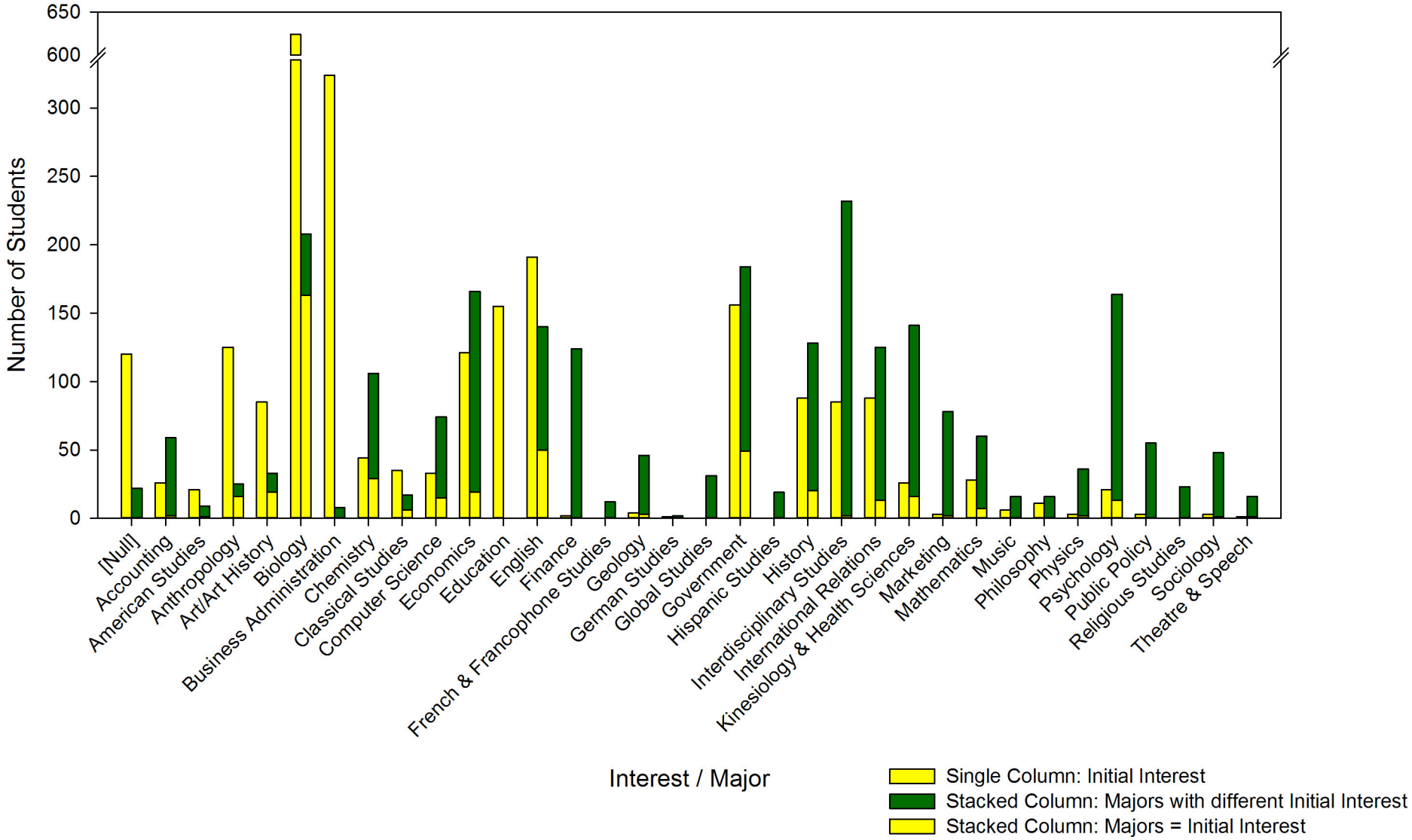
Columns

Level
Interest1
Major

Level	Interest1	Major	Total by ROWS Student ID Value
Undergraduate	Biology	Biology	166.00
		Bus Analytics Data Science	1.00
		Chemistry	49.00
		Chinese	2.00
		Classical Studies	1.00
		Computer Science	15.00
		Economics	31.00
		English	14.00
		Finance	5.00
		Geology	8.00
		Global Studies	1.00
		Government	11.00
		Hispanic Studies	3.00
		History	5.00
		Interdisciplinary Studies	18.00
		International Relations	9.00
		Kinesiology & Health Sciences	67.00
		Marketing	5.00
		Mathematics	11.00
		Music	3.00
		Neuroscience	78.00
		Philosophy	2.00
		Physics	5.00
		Process Mgmt & Consulting	4.00
		Psychology	34.00
		Public Policy	3.00
		Religious Studies	3.00


Biology
Accounting
American Studies
Anthropology
Biology
Bus Analytics Data Science
Chemistry
Chinese
Classical Studies
Computer Science
Economics
English
Finance
Geology
Global Studies
Government
Hispanic Studies
History
Interdisciplinary Studies
International Relations
Kinesiology & Health Sciences
Marketing
Mathematics
Music
Neuroscience
Philosophy
Physics
Process Mgmt & Consulting
Psychology
Public Policy
Religious Studies
Sociology
Theatre
3
1
1
166
1
49
2
1
15
31
14
5
8
1
11
3
5
18
9
67
5
11
3
78
2
5
4
34
3
3
9
1
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170

Intitial Interest & Declared Major of Students with > 90 Credit Hours (Spring, 2014)



MARSHALL UNIVERSITY

Banner Extraction and Reporting Tool (MU BERT)

Welcome to MU BERT at Marshall University

MU BERT is a tool used to assist Marshall University faculty and adminstrators with generating report data from Marshall's Enterprise Student Information System - SunGard Banner™. MU BERT is an ever-evolving tool which provides access to data in an easy to use Web delivered format. The reports that are added to MU BERT are under the direction of the Office of Academic Affairs. MU BERT was built by Brian M. Morgan, a faculty member in Marshall's Integrated Science and Technology Department.

To begin accessing MU BERT reports, click the login link below and when prompted for a username and password, use the following scheme for your login:

Username: marshall\MUNet_ID (example: marshall\smith12) or your e-mail address (example: smith12@marshall.edu)
Password: your regular MUNet password (the same that you log in to your campus-based PCs with)

PLEASE NOTE: Due to a recent change in security to various IT systems on campus, users of MU BERT must now first connect to Marshall's provided VPN service to access BERT off-campus. Information on how to install and use the VPN off-campus can be found at http://www.marshall.edu/it/departments/it-service-desk/network-wireless/#fndtn-efs-tabpane-1-4. There is no change for on-campus access to the system.

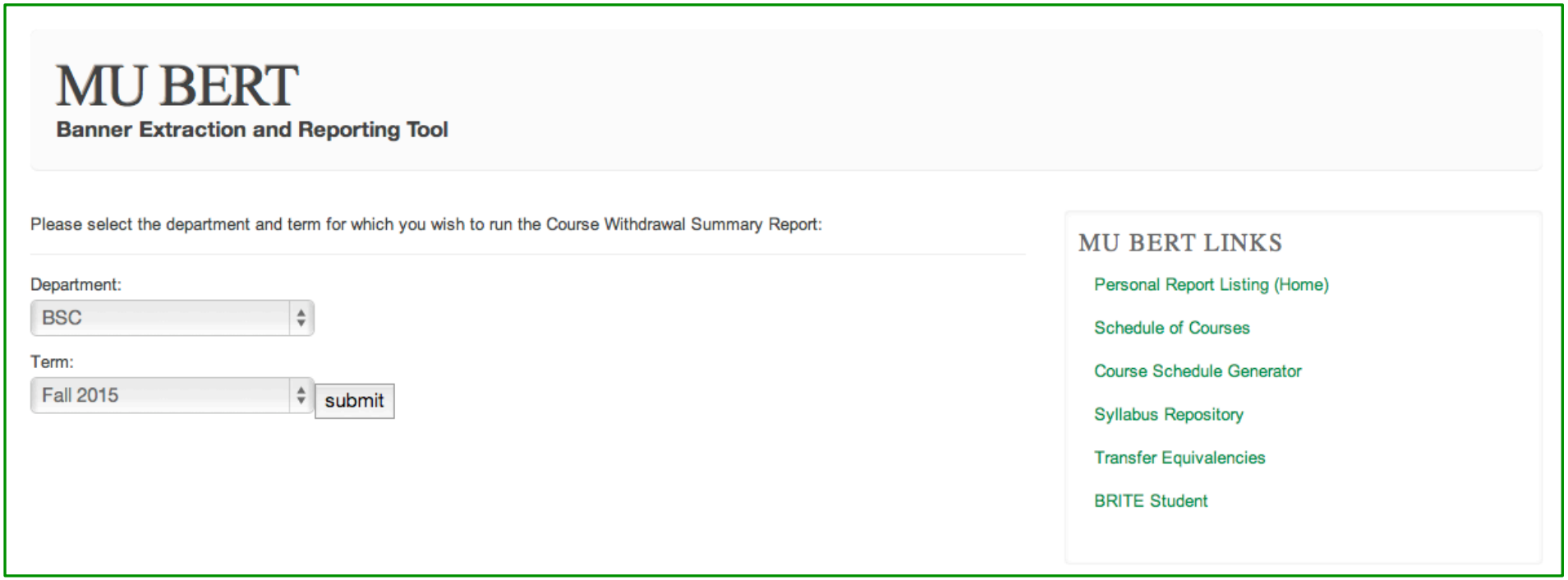
Login to MU BERT now

Customized list of reports

8 Categories

Class Information (4)
College/Department Information (30)
Current Majors (11)
Enrollment Statistics (10)
Faculty Information (2)
Graduates by Major (4)
Miscellaneous (1)
Student Information (7)

Course Withdrawal Summary by Subject and Term



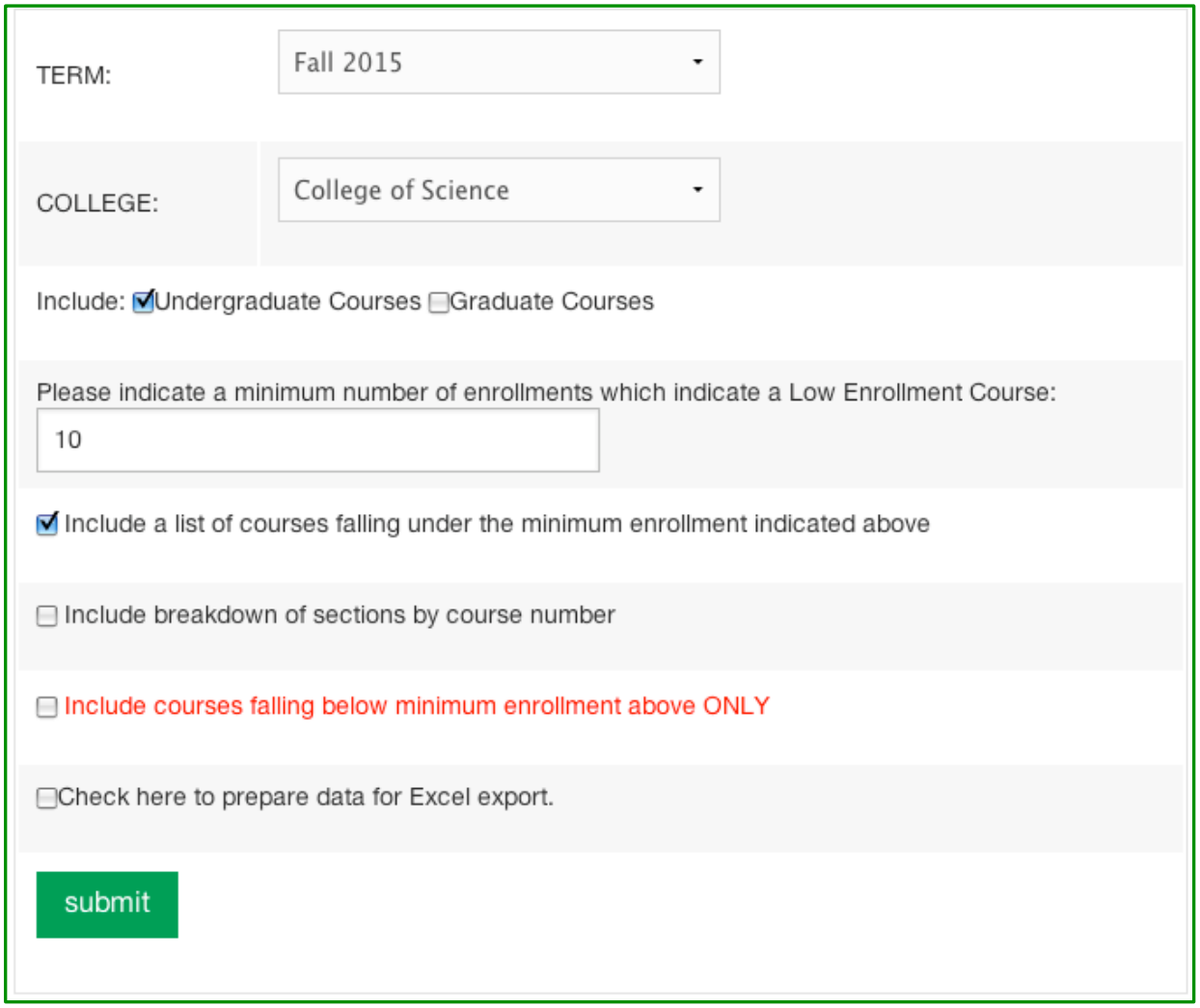
Course Withdrawal Summary by Subject and Term

COURSE	NUM. SECTIONS	WITHDRAWALS	ENROLLED/FINISHED	LOCATION
BSC 120	14	139	357	Huntington
BSC 121	4	8	111	Huntington
BSC 227	3	21	46	Off-Campus
BSC 227	20	165	450	Huntington
BSC 228	1	4	21	Off-Campus
BSC 228	6	35	134	Huntington
BSC 250	3	13	59	Off-Campus
BSC 250	4	16	92	Huntington

Controlling course access could save staffing up to six sections

(25% Instructor Assignment & 3 GA Assignments)

Enrollment Summary by College/Department/Level of Courses

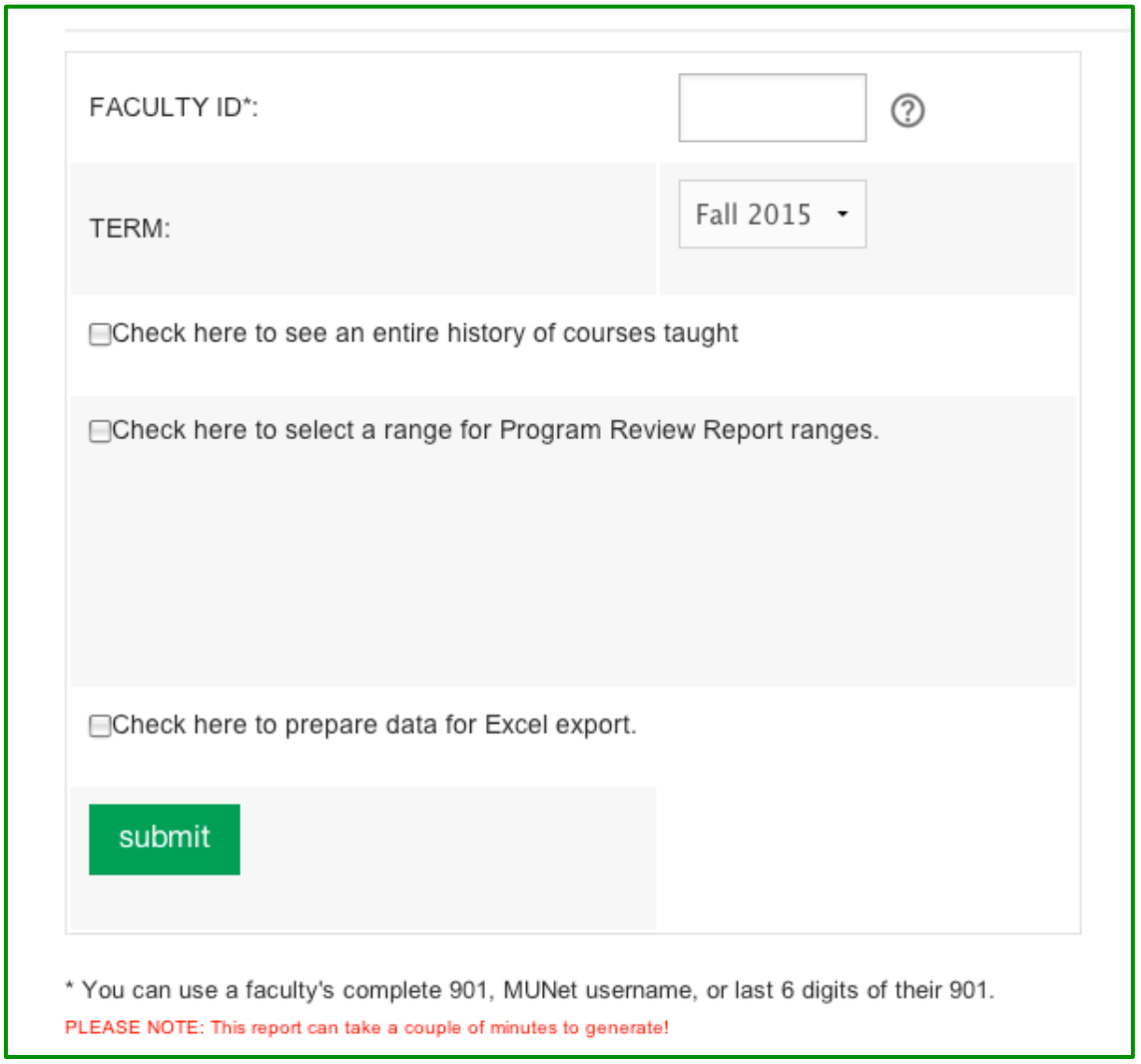


Enrollment Summary by College/Department/Level of Courses

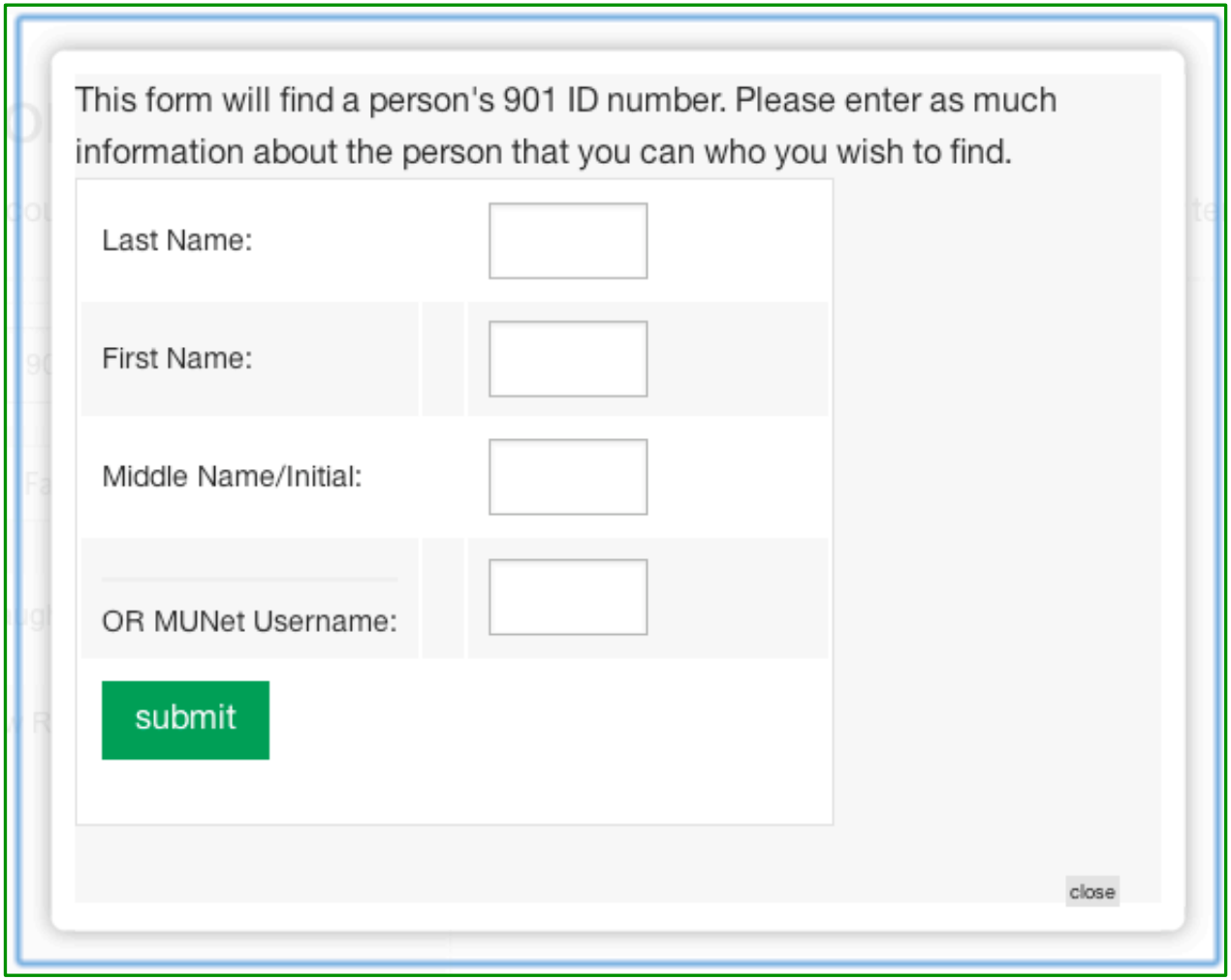
Designator	Course Level	# of Sections	Mean Enrollment	Mean Cap	Enrollment < 10	Enrollment 10-20	Enrollment >= Cap
BSC	100-199	43	21.86	22.88	4	10	17
	200-299	37	21.68	23.03	1	2	17
	300-399	12	24.42	28.67	1	3	3
	400-499	15	15.60	17.53	5	4	5
	500-599		0.00	0.00			
	600-699		0.00	0.00			

Designator	Course Level	# of Sections	Mean Enrollment	Mean Cap	Enrollment < 10	Enrollment 10-20	Enrollment >= Cap
CHM	100-199	5	36.40	51.80	2		2
	200-299	48	24.83	39.94	6	20	6
	300-399	21	18.71	22.86	2	14	6
	400-499	25	4.08	2.12	23	1	21
	500-599		0.00	0.00			
	600-699		0.00	0.00			

Faculty Course History



Faculty Course History



Faculty Course History

Faculty Course History for Shank, Terry-[redacted]
For term 201601
As of 20-Oct-15

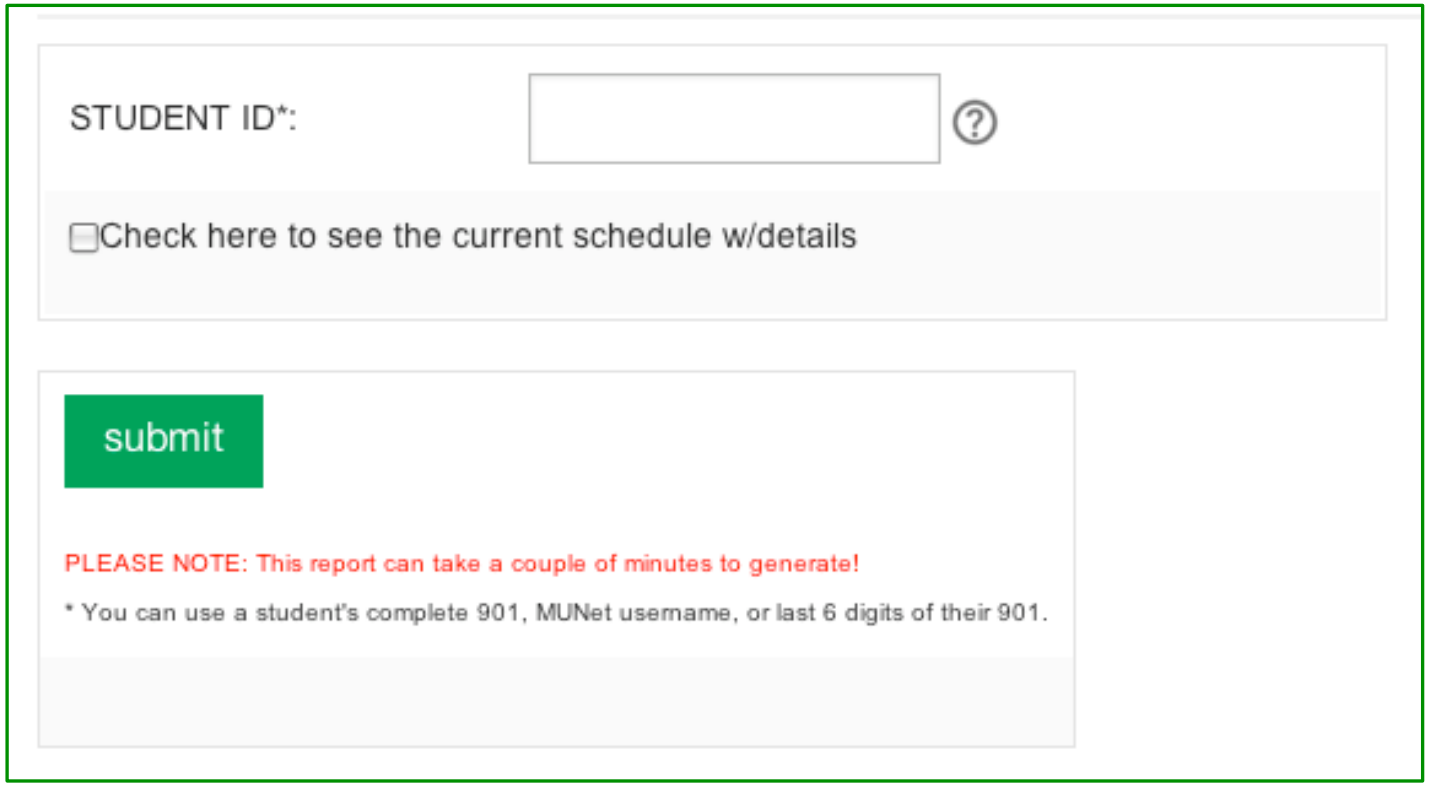
Search:

COURSE	SEC	CRN	HRS	COURSE TITLE	OFFERING	INSTRUCTOR	ENROLLMENT	SCHs	CAMPUS
IST 111	101	2617	4	Living Systems	MWF, 1000a - 1050a, CH 105 M, 1530p - 1720p, S 200	Shank, Terry	30	120	Hunt.
IST 111	102	2618	4	Living Systems	MWF, 1000a - 1050a, CH 105 W, 1530p - 1720p, S 200	Shank, Terry	30	120	Hunt.
IST 111	105	4994	4	Living Systems	MWF, 1000a - 1050a, CH 105 F, 1500p - 1650p, S 200	Shank, Terry	23	92	Hunt.
IST 224	101	2638	4	Intro to Forensic Science	W, 1100a - 1250p, BBSC 125 MW, 1400p - 1515p, CH 104	Shank, Terry	25	100	Hunt.
IST 224	102	2639	4	Intro to Forensic Science	M, 1100a - 1250p, BBSC 125 MW, 1400p - 1515p, CH 104	Shank, Terry	23	92	Hunt.
IST 224	103	4993	4	Intro to Forensic Science	F, 1300p - 1450p, BBSC 125 MW, 1400p - 1515p, CH 104	Shank, Terry	20	80	Hunt.
IST 485	104	2682	1 to 4	Independent Study	, HTN	Shank, Terry	1	3	Hunt.
TOTALS:							**152**	**607**	

NOTE: Clicking on enrollment numbers above will show you the class roster for the course.

This page was generated in ms (0 seconds).
Bookmark this Report

Student Course History List w/GPA, Hours Earned, and Current Course Schedule



Student Course History List w/GPA, Hours Earned, and Current Course Schedule

Student Course History List for [redacted], Aedan - MUID: [redacted]
As of: Oct 20, 2015

Quick Search

TERM	COURSE	CRN	TITLE	CREDITS	GRADE	MU PLAN	TAKEN
Fall 2009	HST230		Am History to 1877 (HIS 121)	3	C	United States History Community College Course American Institutions Lower Division Credit Social Sciences Social Sciences Core II Multicultural Virginia Western Community Col	Transfer Credit
Spring 2010	HST231		Am Hist From 1877 (HIS 122)	3	B	United States History Community College Course American Institutions Lower Division Credit Social Sciences Multicultural Virginia Western Community Col	Transfer Credit
Fall 2010	PSC104		Am Natl Govt & Pol (PLS 211)	3	B	Community College Course American Institutions Lower Division Credit Social Sciences Social Sciences Core II Virginia Western Community Col	Transfer Credit
Spring 2011	PSC202		Am State Govt & Pol (PLS 212)	3	B	Community College Course American Institutions Lower Division Credit Social Sciences Social Sciences Core II Virginia Western Community Col	Transfer Credit
Fall 2011	UNI100	4173	Freshman First Class	1	CR		MU
Fall 2011	MTH127	3145	College Algebra-Expanded	5	A	Mathematics	MU
Fall 2011	IST160	2747	Intro to Programming	3	A		MU
Fall 2011	IST120	2744	Connections I (CT)	3	A	Critical Thinking	MU
Fall 2011	ART112	1074	Intro To Visual Art	3	A	Fine Arts	MU

Student Course History List w/GPA, Hours Earned, and Current Course Schedule

As of: Oct 20, 2015

Student Information for Aedan [redacted]

Current Major: SI40 - BS, Digital Forensics
Current Advisor: Cole, Cynthia (primary)
Class Standing: Senior
Last Enrollment: Fall 2015
E-mail Address: [redacted]@marshall.edu

Fall 2015

ENG 205	2120	Popular Literature (CT)	3 HRS
IST 224	2638	Intro to Forensic Science	4 HRS
IST 448	2668	Forensic Image/Video Analysis	3 HRS
IST 470	2677	Internship in IST	3 HRS
IST 490	2684	Senior Project I	3 HRS

Lower Division Credit

Student Course History List w/GPA, Hours Earned, and Current Course Schedule

Current Declared Major (first listed) and Intercollege Transfer History
College: SC, effective Intersession 2014
Primary Major: SI40 - BS, Digital Forensics
Admission Type: FT , Admission Decision: Fully admitted

College: SC, effective Spring 2014
Primary Major: SI40 - BS, Digital Forensics
Admission Type: FT , Admission Decision: Fully admitted
Minor: VSI3 - Game Development

College: SC, effective Fall 2013
Primary Major: SI20 - BS,Computer and Info Tech
Admission Type: FT , Admission Decision: Fully admitted
Concentration: SI24 - Game Development

College: SC, effective Fall 2012
Primary Major: SI20 - BS,Computer and Info Tech
Admission Type: FT , Admission Decision: Fully admitted
Concentration: SI24 - Game Development
Minor: VART - Studio Art

College: SC, effective Spring 2012
Primary Major: SI20 - BS,Computer and Info Tech
Admission Type: FT , Admission Decision: Fully admitted
Concentration: SI24 - Game Development
Minor: VART - Studio Art

College: SC, effective Fall 2011
Primary Major: SI20 - BS,Computer and Info Tech
Admission Type: Full-time , Admission Decision: Fully admitted
Concentration: SI24 - Game Development

This page also includes:

- degree sought
- (expected) graduation date
- probation/suspension history
- standardized test scores
- deficit points
- declared race/ethnicity
- permanent address
- email/telephone contacts

Business Reporting & Intelligence Tool for Education (BRITE)

- Commercial version of BERT
- Institution specific
- No database population for institutions on BANNER
- Contact:

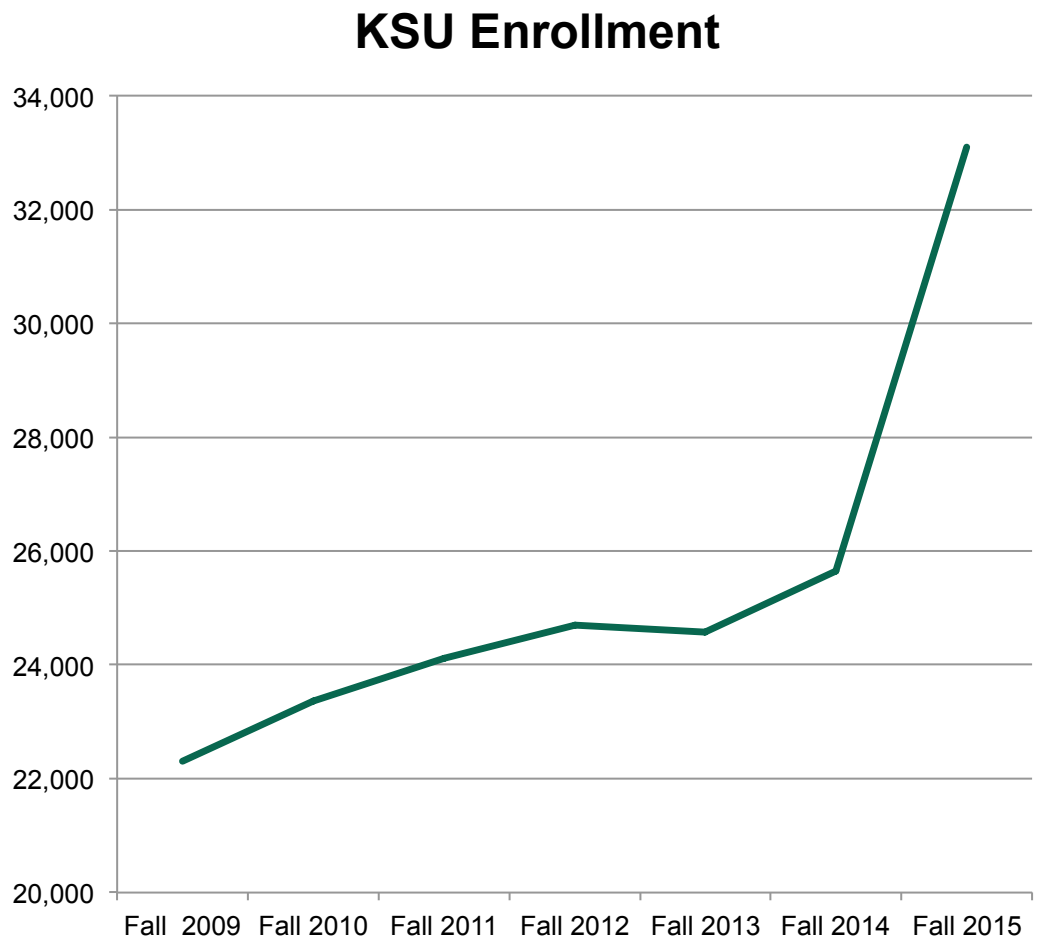
Brian Morgan

brian@britedevelopment.com

304-634-6736

Kennesaw State University
Fall 2015

- Total enrollment: >33,000
- Total degree programs: >150
- Georgia's third largest university, KSU is designated as a comprehensive university.
- 18 NCAA Division I athletic teams including football (Fall 2015)


KSU Enrollment
34,000
32,000
30,000
28,000
26,000
24,000
22,000
20,000
Fall 2009
Fall 2010
Fall 2011
Fall 2012
Fall 2013
Fall 2014
Fall 2015

College of Science and Mathematics

2 Gen Ed Mathematics courses and 2 Gen Ed Science courses for every KSU undergraduate.

Service courses for majors in other colleges such as

- Early Childhood Education Math and Science courses
- Nursing Anatomy and Physiology courses
- Mathematics and Physics courses to support Engineering majors

- 8 Undergrad Majors of our own including the BS in Biology (over 1800 declared majors) with 10 tracks and substantial pipeline issues
- 3 MS degrees and 1 PhD

Our Past Scheduling Practices

- Check what we did in the most recent two like terms: numbers of sections and seats offered and occupied.
- Try to build in the growth projected by the university.
- CSM was reasonably good at this low tech approach.
- But we were sometimes caught off guard by trends that we did not foresee.

Ad Astra

https://www.aais.com/company/

Mbell2395's Food D | Repeat Course | KSU Application Syst | Pandora Radio - List | HireTouch » Dashbo | Part-time Instructor | Research Assistants | Bethany. Tumblr | Other Book

AD ASTRA
INFORMATION SYSTEMS

About | Offerings | Results | Partnerships | Client Support | Contact

Company

Ad Astra Information Systems is based in Overland Park, Kansas, and serves higher education institutions and systems worldwide. We offer data-informed software solutions and professional services to effectively allocate space and faculty resources, forecast student demand, and accelerate student completions.

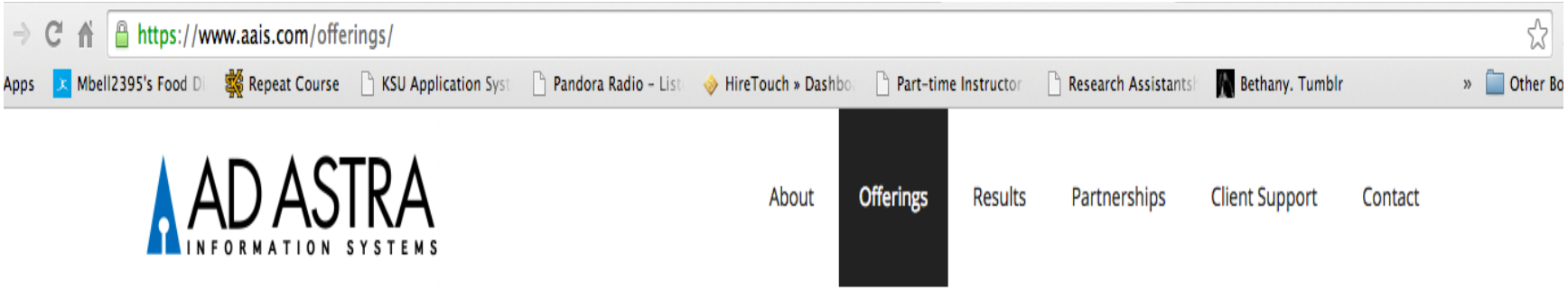
Leadership

History

Ad Astra's interest in academic space begin in the 1950's when the founder's father, John Shaver, was introduced to a Ford

TeachingHistoryforJ....docx | CLEP_Subject_Exams_....doc | Bylaws Change_Upd....docx | Bylaws Change_Upd....docx | Bylaws Change_Upd....docx | Bylaws Change_Upd....docx | Show All

Ad Astra Products



Offerings

We use a consultative approach to listen to challenges and design custom solutions to address the needs of each institution or state education system. Some of our clients begin their relationship with Ad Astra by using *Astra Schedule*™, an enterprise class scheduling platform that integrates with campus student information systems. Others start with *Platinum Analytics*™, our patented course-demand analysis tool that assesses student course needs to clear bottlenecks and advance completions. And many begin with the *Strategic Scheduling CheckUp*™, a customized institutional analysis of instructional capacity and course-offering trends that are compared against our proprietary Higher Education Scheduling Index (HESI™).

Ad Astra *Platinum Analytics*

- In 2012, KSU began using EMS Campus software (in conjunction with Banner for the academic schedule) to help with campus space utilization.
- In 2013, we chose the *Platinum Analytics* tool from Ad Astra to help with our projective needs.
- That same year, in November, our merge with SPSU was announced. (for Fall 2015)
- We first used Ad Astra in Fall 2014.

Platinum Analytics Methods

- Ad Astra considers the following in their projections:
  - Historical Baseline (last year)
  - Historical Trend (last five years)
  - Program Analysis (what do students need to complete their program)
  - Predictive Program Analysis (when students have options, what are they most likely to choose)

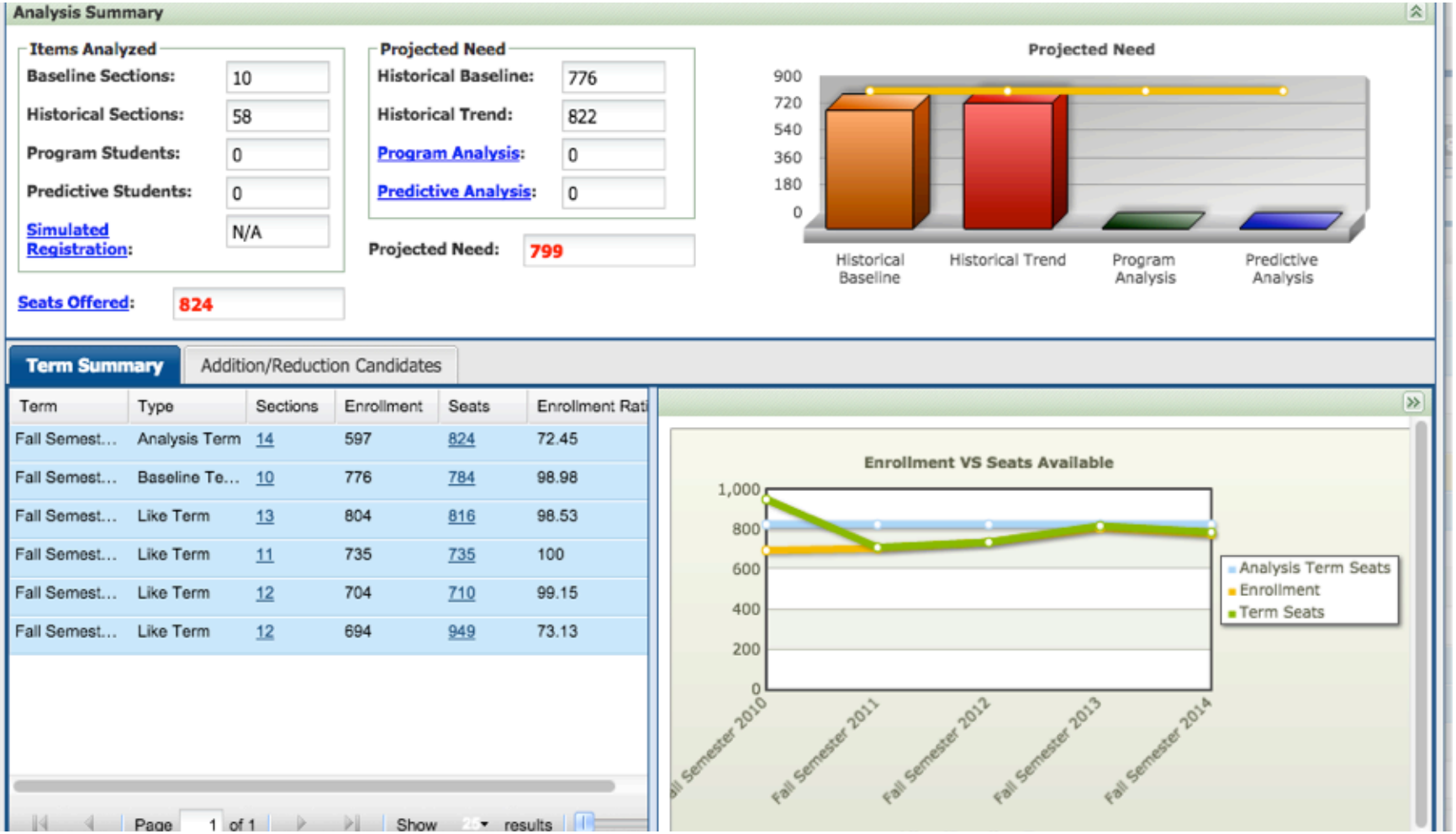
Other Promises

- Ad Astra individualizes their product so other promises made to us were
  - A look at preferences on time of day and day of week
  - A simulated registration which should show where schedule conflicts are likely to occur
  - An extensive look at utilization by campus

Progress Thus Far

- Progress was slowed substantially by the merge.
  - Students' Degree Works records have not yet been merged.
  - Ad Astra could thus only use historical data for predictions.
  - They had to spend significant amounts of time trying to predict needed seats by campus.

Example 1: CHEM 1211 Kennesaw Campus: What Ad Astra Recommended



Example 1: CHEM 1211 Kennesaw Campus: End Result

- During planning, Ad Astra had recommended we would need 799 Gen. Chemistry I seats on the Kennesaw Campus.
- We ran out of seats before the first-year orientation season was 50% complete.
- We pushed our resources to the limit and offered 971 seats.
- Sections were 100% full, so this was not enough.

Example 2: MATH 1190 Marietta Campus: What Ad Astra Recommended

MATH 1190 - Calculus I - M

Analysis Summary

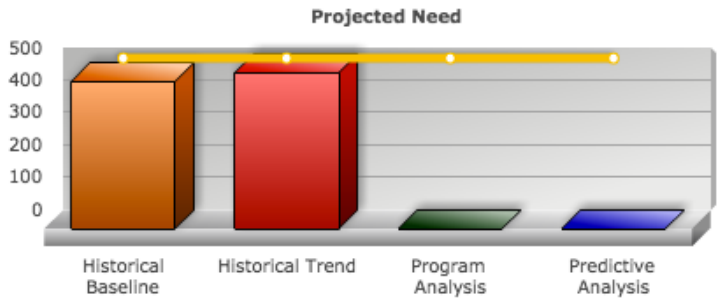
Items Analyzed

Baseline Sections:	15
Historical Sections:	72
Program Students:	0
Predictive Students:	0
Simulated Registration:	N/A

Projected Need

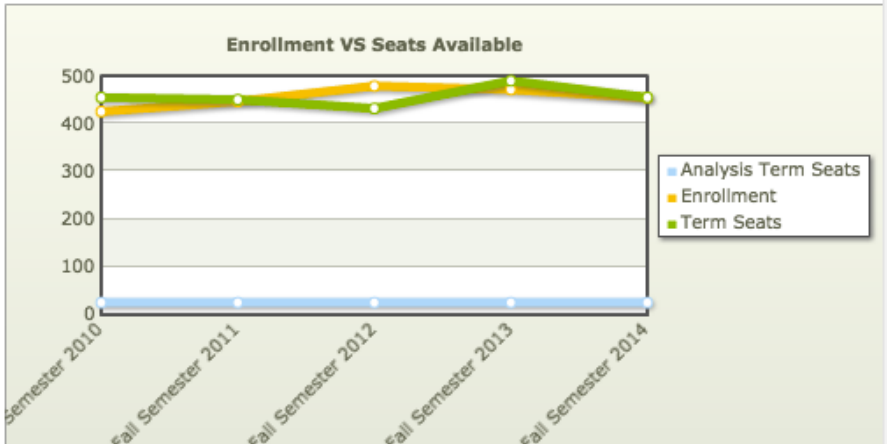
Historical Baseline:	454
Historical Trend:	480
Program Analysis:	0
Predictive Analysis:	0
Projected Need:	467

Seats Offered: 25



Term Summary | Addition/Reduction Candidates

Term	Type	Sections	Enrollment	Seats	Enrollment Rati
Fall Semest...	Analysis Term	14	303	25	1212
Fall Semest...	Baseline Te...	15	454	455	99.78
Fall Semest...	Like Term	15	471	490	96.12
Fall Semest...	Like Term	13	479	432	110.88
Fall Semest...	Like Term	15	447	450	99.33
Fall Semest...	Like Term	14	425	455	93.41



Example 2: MATH 1190 Marietta Campus: End Result

- During planning, Ad Astra had recommended we would need 467 Calculus I seats on the Marietta Campus.
- We ran out of seats before the first-year orientation season was 50% complete.
- We pushed our resources to the limit and offered 723 seats.
- Sections were 100% full, so this was not enough.

First Look Overview for Spring 2016: Beware Following Blindly!

Total Rows: 60				Total Sections: 187			Seats Offered: 8024		Projected Nee
Category	Subject	Co…	Title	Cam…	Impact	Rel…	Se…	Projected Need	Historical …	Baseline N…
Reduction	MATH	1101	Intro Mathematical…	A	Mod…	High	420	267	194	339
Addition	MATH	1101	Intro Mathematical…	O	Mar…	Me…	0	45	45	0
No Action	MATH	1107	Elementary Statistics	X			0	1	1	0
Addition	MATH	1107	Elementary Statistics	O	Mar…	Me…	0	34	34	0
Addition	MATH	1107	Elementary Statistics	A	Mod…	Me…	1445	1551	1597	1505
Reduction	MATH	1111	College Algebra	A	Mod…	High	1280	1188	1176	1200
No Action	MATH	1111	College Algebra	X			0	1	1	0
Addition	MATH	1111	College Algebra	O	Mod…	Me…	0	84	84	0
No Action	MATH	11…	College Algebra S…	A			40	13	11	14
Reduction	MATH	1112	College Trigonom…	A	Prime	High	700	555	564	545
Addition	MATH	1112	College Trigonom…	O	Mar…	Me…	0	36	36	0
No Action	MATH	1113	Precalculus	A			560	526	490	561
Addition	MATH	1113	Precalculus	O	Mod…	Me…	0	52	52	0

Apply What You Know and Use Recommendations with Caution

- The Ad Astra team are the first to tell us to use their information with caution.
- For example, after seeing the recommendations on the preceding page, we did decrease the seats we planned to offer in MATH 1101.
- We switched some instructors to MATH 1111, a course we knew was substantially underserved the previous term.

KSU Enrollment Management

- The EMS team at KSU is working to help the academic colleges understand and utilize Ad Astra.
- They deliver easier-to-read reports throughout the registration season.
- These reports keep track of how many seats we've managed to offer and what Ad Astra recommends we do moving forward.

General Education Courses Analysis for Fall 2015 *Reported: Aug 10, 2015*									
Subject	*Course*	*Campus*	*5 Year Historic Trend*	*Current Seats Offered*	*Current Enrollment*	*Seats Open*	*Projected Offering in Banner*	*Fall 2015 Projected Demand*	*July 29th Recommendation NEW SEATS TO OPEN*
Area A									
Area A - Composition I									
ENGL	1101	Kennesaw	2966	3165	3207	17	3341	2977	146
		Marietta	791	720	692	4	801	772	49
		Online		43	37	6	43	*	(2)
		Total	***3757***	***3928***	***3936***	***27***	***4185***	***3749***	***193***
Area A - Composition II									
ENGL	1102	Kennesaw	1281	904	968	10	1040	1264	187
		Marietta	195	216	206	10	234	193	41
		Online		357	323	34	365	*	(2)
		Total	***1476***	***1477***	***1497***	***54***	***1639***	***1457***	***226***

Takeaways

- Merging two universities does not make a difficult scheduling problem any easier.
  - Ad Astra had to spend their time trying to get a handle on this issue.
  - Students tended to go wherever the classes were offered. Campus predictions were further complicated by this unanticipated flexibility on their part.
  - Predictions of seats needed were way too low! Something (the merge? football?) made KSU suddenly more attractive than anyone could have anticipated.

Takeaways

- Use of past enrollment data is of only marginal benefit.
  - Our College was already good at this.
  - Actually, we were better than Ad Astra.
  - For example, we realized the steady state of Physics seats for 5 years was due to lack of faculty. It did not mean we had a steady demand for Physics. We were nowhere near meeting the demand!

Takeaways

- The jury is still out
  - We believe in the power of analytics.
  - But we haven't yet seen that power fully harnessed by Ad Astra.
  - If Ad Astra can mine Degree Works and identify the number of students who are ready and likely to take certain courses, then this will go a long way to helping us not be surprised by sudden demand shifts.

Questions
& Discussion