

**Comprehensive Academic Program Evaluation (CAPE)  
Western Kentucky University  
Supplementary Data Tables**

<b>Institution:</b>
Western Kentucky University (00200200)
<b>College:</b>
Ogden College of Science and Engineering
<b>WKU Department Code:</b>
MATH
<b>Data as of:</b>
30OCT18
<b>Prepared by:</b>
The WKU Office of Institutional Research

## Enrolled Students by Fall Term

Enrollments are based on Fall census, and include multiple majors, minors, and certificates.

Level - Degree Type - Major - CIP				Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Graduate	Masters	Mathematics, MA (#049)	270101	32	33	26	30	26
		Mathematics, MS (#085)	270101	11	9	10	15	12
Undergraduate	Baccalaureate	Mathematical Economics, BS (#731)	450603	23	31	39	43	58
		Mathematics (minor required), AB (#728)	270101	63	52	48	49	53
		Mathematics, AB (#528)	270101	24	33	29	21	20
		Middle Grades Mathematics, BS (#730)	270101	73	78	82	63	59
	Certificate	Data Analysis Using SAS, CER (#1716)	270599	0	0	1	1	1
All				226	236	235	222	229

Level - Degree Type - Minor			Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Undergraduate	Non Degree	Applied Statistics, Minor (#313)	4	10	11	9	19
		Mathematics, Minor (#417)	127	83	76	79	68
All			131	93	87	88	87

## Conferrals by Academic Year

Conferrals awarded are based on Summer-Fall-Spring cycle, and include multiple majors.

Level - Degree Type - Major - CIP				AY 2013-2014	AY 2014-2015	AY 2015-2016	AY 2016-2017	AY 2017-2018
Graduate	Masters	Mathematics, MA (#049)	270101	6	11	8	10	12
		Mathematics, MS (#085)	270101	2	5	2	4	7
Undergraduate	Baccalaureate	Mathematical Economics, BS (#731)	450603	1	1	6	11	12
		Mathematics (minor required), AB (#728)	270101	17	9	9	7	8
		Mathematics, AB (#528)	270101	1	4	4	3	4
		Middle Grades Mathematics, BS (#730)	270101	22	19	22	19	19
	Certificate	Data Analysis Using SAS, CER (#1716)	270599	0	0	0	0	1
All				49	49	51	54	63

Level - Degree Type - Minor			AY 2013-2014	AY 2014-2015	AY 2015-2016	AY 2016-2017	AY 2017-2018
Undergraduate	Non Degree	Applied Statistics, Minor (#313)	0	2	5	2	7
		Mathematics, Minor (#417)	38	27	26	25	28
All			38	29	31	27	35

## Departmental SCHP by Academic Year

In-Department student credit hours generated by majors, minors, and certificates.

Level - Major - CIP			Provided Credit Hours				
			AY 2013-2014	AY 2014-2015	AY 2015-2016	AY 2016-2017	AY 2017-2018
Graduate	Mathematics, MA (#049)	270101	253	186	162	201	148
	Mathematics, MS (#085)	270101	168	126	141	222	155
Undergraduate	Applied Statistics, Minor (#313)		56	102	84	140	189
	Data Analysis Using SAS, CER (#1716)	270599	3	0.0	7	0.0	12
	Mathematical Economics, BS (#731)	450603	155	239	238	359	389
	Mathematics (minor required), AB (#728)	270101	511	477	458	512	492
	Mathematics, AB (#528)	270101	215	326	295	256	228
	Mathematics, Minor (#417)		569	490	430	442	350
	Middle Grades Mathematics, BS (#730)	270101	673	740	725	582	460
All			2,603	2,686	2,540	2,714	2,423

## First Year Persistence by Fall Cohort

Fall-to-fall Persistence of the first time students entering with a declared major in the program. Persistence includes enrollment or graduation after one year.

Level - Degree - Major - CIP				Fall 2013		Fall 2014		Fall 2015		Fall 2016		Fall 2017	
				# in Cohort	% Persisted	# in Cohort	% Persisted	# in Cohort	% Persisted	# in Cohort	% Persisted	# in Cohort	% Persisted
Graduate	Masters	Mathematics (minor required), AB (#728)	270101	0	0	0	0	0	0	0	0	1	100.0%
		Mathematics, MA (#049)	270101	5	100.0%	2	100.0%	2	100.0%	1	100.0%	2	100.0%
		Mathematics, MS (#085)	270101	2	50.0%	5	80.0%	3	66.7%	4	75.0%	8	87.5%
	Level Subtotal			7	85.7%	7	85.7%	5	80.0%	5	80.0%	11	90.9%
Undergraduate	Baccalaureate	Mathematical Economics, BS (#731)	450603	4	100.0%	8	87.5%	7	100.0%	10	90.0%	7	100.0%
		Mathematics (minor required), AB (#728)	270101	12	83.3%	10	100.0%	8	62.5%	8	62.5%	3	100.0%
		Mathematics, AB (#528)	270101	4	50.0%	7	71.4%	11	90.9%	5	80.0%	5	80.0%
		Middle Grades Mathematics, BS (#730)	270101	5	60.0%	4	75.0%	4	100.0%	2	50.0%	4	75.0%
	Level Subtotal			25	76.0%	29	86.2%	30	86.7%	25	76.0%	19	89.5%

## Progression Numbers by Academic Year

The number of undergraduate students progressing to the next classification or graduating during the academic year.

Level - Degree - Major - CIP				Academic Year							
				2014/15		2015/16		2016/17		2017/18	
				#	% Progressed	#	% Progressed	#	% Progressed	#	% Progressed
Undergraduate	Baccalaureate	Mathematical Economics, BS (#731)	450603	25	84.0%	22	86.4%	39	84.6%	39	92.3%
		Mathematics (minor required), AB (#728)	270101	35	80.0%	38	73.7%	38	76.3%	37	78.4%
		Mathematics, AB (#528)	270101	16	75.0%	18	88.9%	14	50.0%	12	58.3%
		Middle Grades Mathematics, BS (#730)	270101	54	77.8%	57	78.9%	48	75.0%	41	70.7%
	Certificate	Data Analysis Using SAS, CER (#1716)	270599	0	0	1	100.0%	1	100.0%	0	0

## 150% Graduation Rates by Fall Cohort

Percentage of degree-seeking students graduating within 150% of normal time.

150% graduation time varies by degree type - Associates: 3 years; Bachelors: 6 years; Masters/Specialist: 3 years; Doctoral: 4 years.

Graduation Rates are calculated through the most recent cohort with a graduating term of Summer 2018.

Level - Degree - Major - CIP				AY 2013-2014		AY 2014-2015		AY 2015-2016		AY 2016-2017		AY 2017-2018	
				#	%	#	%	#	%	#	%	#	%
Undergraduate	Baccalaureate	Mathematical Economics, BS (#731)	450603	0	0	0	0	0	0	0	0	4	75.0%
		Mathematics (minor required), AB (#728)	270101	3	66.7%	16	62.5%	16	50.0%	10	50.0%	12	41.7%
		Mathematics, AB (#528)	270101	15	80.0%	9	44.4%	6	66.7%	6	50.0%	4	25.0%
		Middle Grades Mathematics, BS (#730)	270101	0	0	2	50.0%	4	100.0%	7	71.4%	5	60.0%
All				18	77.8%	27	55.6%	26	61.5%	23	56.5%	25	48.0%

Level - Degree - Major - CIP				AY 2013-2014		AY 2014-2015		AY 2015-2016		AY 2016-2017		AY 2017-2018	
				#	%	#	%	#	%	#	%	#	%
Graduate	Masters	Mathematics, MA (#049)	270101	5	60.0%	5	40.0%	2	50.0%	2	100.0%	1	100.0%
		Mathematics, MS (#085)	270101	2	50.0%	2	50.0%	5	80.0%	3	66.7%	4	75.0%
All				7	57.1%	7	42.9%	7	71.4%	5	80.0%	5	80.0%

## Average Years To Graduate by Program

Average years to graduate (i.e., degree term less first term at WKU at the same level).

Department	Major	CIP	AY 2013-2014	AY 2014-2015	AY 2015-2016	AY 2016-2017	AY 2017-2018
MATH	Mathematics, MA (#049)	270101	2.33 (N=5)	2.92 (N=8)	2.89 (N=6)	3.86 (N=7)	2.42 (N=8)
	Mathematics, MS (#085)	270101	1.67 (N=1)	1.67 (N=4)	1.84 (N=2)	1.78 (N=3)	1.89 (N=6)
	Applied Statistics, Minor (#313)			3.17 (N=2)	3.47 (N=5)	4.17 (N=2)	3.81 (N=7)
	Mathematics, Minor (#417)		4.37 (N=37)	4.19 (N=26)	4.24 (N=25)	4.24 (N=25)	4.86 (N=28)
	Mathematics, AB (#528)	270101	2.00 (N=1)	4.08 (N=4)	3.59 (N=4)	3.67 (N=3)	3.42 (N=4)
	Mathematics (minor required), AB (#728)	270101	4.90 (N=16)	5.71 (N=9)	3.48 (N=9)	4.24 (N=7)	5.59 (N=8)
	Middle Grades Mathematics, BS (#730)	270101	3.50 (N=22)	4.72 (N=18)	3.45 (N=21)	3.69 (N=19)	4.81 (N=19)
	Mathematical Economics, BS (#731)	450603		3.34 (N=1)	3.50 (N=6)	4.61 (N=11)	3.64 (N=12)



## Delivery Cost

Total Department SCHP includes all SCHP taught in courses owned by the Department, including those taught by part-time faculty and full-time faculty outside the department. Data excludes ensemble performance, independent study, maintaining matriculation, co-op ed, dual credit, on-demand, research, and student teaching course sections.

Department	# Tenure Track Faculty (A)	Tenure Track Mean Salary (B)	# Non-Tenure Track Faculty (C)	Non-Tenure Track Mean Salary (D)	Total Department SCHP (E)	Cost Per SCHP $\left(\frac{[A*B] + [C*D]}{E}\right)$
MATH	28	\$66,609	12	\$40,755	19,688	\$120

## Faculty Efficiency and Class Size

Excludes ensemble performance, independent study, maintaining matriculation, co-op ed, dual credit, on-demand, research, and student teaching course sections.

Departmental Efficiency Data:		AY 2013-2014	AY 2014-2015	AY 2015-2016	AY 2016-2017	AY 2017-2018
SCHP per Full-Time Faculty		469	516	508	446	438
% SCHP Taught by Full-time Faculty		83.7%	84.8%	88.2%	87.7%	89.0%
Upper Div Median Class Size		12	16	16	14	11
% Upper Div Sections with < 15 Enrolled		58.2%	46.9%	46.9%	50.7%	64.9%
Graduate Median Class Size		10	6	8	6	8
% Graduate Sections with < 10 Enrolled		50.0%	58.3%	69.2%	62.5%	66.7%