

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

Institution:
Western Kentucky University (00200200)
College:
Ogden College of Science and Engineering
WKU Department Code:
GEO
Data as of:
30OCT18
Prepared by:
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	Certificate	Geographic Information Science, CER (#203)	450702	2	1	0	0	2
	Masters	Geography Education for Teacher Leaders, MAE (#0444)	131205	0	0	0	1	0
		Geoscience, MS (#072)	450701	32	28	27	26	24
Undergraduate	Associate	Water Resource Management, AS (#298)~	150506	10	8	0	0	0
	Baccalaureate	Earth Science, AB (#678)	400601	0	0	0	0	4
		Geographic Information Science, BS (#576)	450702	12	17	12	5	5
		Geography, BS (#674)~	450701	52	34	14	3	1
		Geography/Environmental Studies, BS (#675)	450701	0	14	29	40	38
		Geology (minor required), BS (#677)~	400601	29	30	13	5	2
		Geology, AB (#676)~	400601	12	9	8	2	1
		Geology, BS (#577)	400601	27	24	27	30	30
	Meteorology, BS (#578)	400404	67	64	60	64	74	
Certificate	Geographic Information Systems, CER (#174)	450702	7	9	5	4	4	
All				250	238	195	180	185

Level - Degree Type - Minor			Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017
Undergraduate	Non Degree	City & Regional Planning, Minor (#339)~	2	1	1	0	0
		Earth Science, Minor (#353)	3	4	3	1	0
		Environment and Sustainability, Minor (#477)~	0	0	1	3	0
		Environmental Studies and Sustainability, Minor (#479)	0	0	0	3	12
		Environmental Studies, Minor (#363)~	11	10	4	2	0
		Geographic Information Systems, Minor (#366)	25	23	22	18	17
		Geography, Minor (#374)	12	18	12	6	8
		Geology, Minor (#377)	6	5	4	10	8
		Sustainability, Minor (#475)~	9	12	7	2	0
Water Resources, Minor (#491)	8	10	5	4	3		
All			76	83	59	49	48

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	Certificate	Geographic Information Science, CER (#203)	450702	4	1	1	2	1
	Masters	Geoscience, MS (#072)	450701	13	6	9	11	6
Undergraduate	Associate	Water Resource Management, AS (#298)~	150506	1	4	0	0	0
	Baccalaureate	Earth Science, AB (#678)	400601	0	0	0	0	1
		Geographic Information Science, BS (#576)	450702	0	3	3	0	2
		Geography, BS (#674)~	450701	13	13	8	3	0
		Geography/Environmental Studies, BS (#675)	450701	0	1	5	12	19
		Geology (minor required), BS (#677)~	400601	1	4	2	0	1
		Geology, AB (#676)~	400601	2	0	4	0	0
		Geology, BS (#577)	400601	11	9	11	7	11
Meteorology, BS (#578)	400404	5	7	6	6	10		
Certificate	Geographic Information Systems, CER (#174)	450702	9	13	7	10	8	
All				59	61	56	51	59

Level - Degree Type - Minor			AY 2013-2014	AY 2014-2015	AY 2015-2016	AY 2016-2017	AY 2017-2018
Undergraduate	Non Degree	City & Regional Planning, Minor (#339)~	1	0	0	0	0
		Earth Science, Minor (#353)	0	1	1	0	0
		Environment and Sustainability, Minor (#477)~	0	0	0	1	0
		Environmental Studies and Sustainability, Minor (#479)	0	0	0	0	1
		Environmental Studies, Minor (#363)~	3	1	3	0	0
		Geographic Information Systems, Minor (#366)	9	10	7	6	5
		Geography, Minor (#374)	7	4	7	3	4
		Geology, Minor (#377)	1	1	0	3	3
		Sustainability, Minor (#475)~	2	1	1	0	0
		Water Resources, Minor (#491)	2	3	0	0	2
All			25	21	19	13	15

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	Geographic Information Science, CER (#203)	450702	11	10	0.0	14	20
	Geoscience, MS (#072)	450701	342	341	314	332	298
Undergraduate	City & Regional Planning, Minor (#339)~		35	7	4	0.0	0.0
	Earth Science, AB (#678)	400601	0.0	0.0	0.0	3	48
	Earth Science, Minor (#353)		56	77	26	9	20
	Environment and Sustainability, Minor (#477)~		0.0	0.0	19	28	0.0
	Environmental Studies and Sustainability, Minor (#479)		0.0	0.0	0.0	40	150
	Environmental Studies, Minor (#363)~		61	41	20	6	0.0
	Geographic Information Science, BS (#576)	450702	166	172	131	63	124
	Geographic Information Systems, CER (#174)	450702	156	135	87	82	97
	Geographic Information Systems, Minor (#366)	450799	452	369	346	300	268
	Geography, BS (#674)~	450701	697	379	138	17	4
	Geography, Minor (#374)		140	137	85	70	70
	Geography/Environmental Studies, BS (#675)	450701	0.0	280	609	693	687
	Geology (minor required), BS (#677)~	400601	445	473	204	51	20
	Geology, AB (#676)~	400601	100	125	66	18	10
	Geology, BS (#577)	400601	375	339	442	505	524
	Geology, Minor (#377)		77	26	57	114	89
	Meteorology, BS (#578)	400404	827	747	759	826	974
	Sustainability, Minor (#475)~		71	135	54	3	0.0
	Water Resource Management, AS (#298)~	150506	99	57	0.0	0.0	0.0
	Water Resources, Minor (#491)	030205	148	98	75	62	57
All			4,257	3,947	3,436	3,236	3,460

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	Geography Education for Teacher Leaders, MAE (#0444)	131205	0	0	0	0	0	0	0	0	1	0.0%
		Geoscience, MS (#072)	450701	7	85.7%	6	83.3%	7	85.7%	5	100.0%	11	90.9%
	Level Subtotal				7	85.7%	6	83.3%	7	85.7%	5	100.0%	12
Undergraduate	Baccalaureate	Geographic Information Science, BS (#576)	450702	0	0	1	100.0%	1	100.0%	0	0	0	0
		Geographic Information Systems, CER (#174)	450702	1	100.0%	0	0	0	0	0	0	0	0
		Geography, BS (#674)~	450701	5	100.0%	1	100.0%	2	100.0%	0	0	0	0
		Geography/Environmental Studies, BS (#675)	450701	0	0	0	0	5	80.0%	2	100.0%	3	33.3%
		Geology (minor required), BS (#677)~	400601	6	100.0%	2	100.0%	1	100.0%	0	0	0	0
		Geology, BS (#577)	400601	0	0	0	0	0	0	4	100.0%	5	80.0%
	Meteorology, BS (#578)	400404	17	76.5%	14	78.6%	16	68.8%	14	64.3%	15	80.0%	
	Certificate	Geographic Information Systems, CER (#174)	450702	0	0	0	0	1	100.0%	0	0	0	0
Level Subtotal				29	86.2%	18	83.3%	26	76.9%	20	75.0%	23	73.9%

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	Associate	Water Resource Management, AS (#298)~	150506	11	45.5%	6	16.7%	0	0	0	0
	Baccalaureate	Earth Science, AB (#678)	400601	0	0	0	0	0	0	2	50.0%
		Geographic Information Science, BS (#576)	450702	13	69.2%	9	77.8%	4	50.0%	4	75.0%
		Geography, BS (#674)~	450701	38	60.5%	15	60.0%	3	33.3%	1	0.0%
		Geography/Environmental Studies, BS (#675)	450701	4	75.0%	26	80.8%	27	77.8%	31	77.4%
		Geology (minor required), BS (#677)~	400601	24	79.2%	8	100.0%	2	100.0%	1	100.0%
		Geology, AB (#676)~	400601	5	80.0%	8	25.0%	3	66.7%	1	100.0%
		Geology, BS (#577)	400601	10	60.0%	21	81.0%	23	73.9%	19	84.2%
	Meteorology, BS (#578)	400404	45	55.6%	46	58.7%	42	73.8%	48	58.3%	
Certificate	Geographic Information Systems, CER (#174)	450702	5	60.0%	2	0.0%	1	100.0%	2	100.0%	

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	
				#	%
Undergraduate	Associate	Water Resource Management, AS (#298)~	150506	1	0.0%
All				1	0.0%

Level - Degree - Major - CIP				AY 2013-2014		AY 2014-2015		AY 2015-2016		AY 2016-2017		AY 2017-2018	
				#	%	#	%	#	%	#	%	#	%
Undergraduate	Baccalaureate	Geographic Information Science, BS (#576)	450702	0	0	1	0.0%	1	100.0%	1	100.0%	0	0
		Geography, BS (#674)~	450701	10	50.0%	4	75.0%	1	100.0%	2	100.0%	4	75.0%
		Geology (minor required), BS (#677)~	400601	1	0.0%	1	100.0%	3	33.3%	2	0.0%	5	80.0%
		Geology, AB (#676)~	400601	1	0.0%	0	0	2	50.0%	1	0.0%	0	0
		Geology, BS (#577)	400601	0	0	2	0.0%	1	0.0%	1	0.0%	0	0
		Meteorology, BS (#578)	400404	15	60.0%	12	41.7%	12	58.3%	18	44.4%	17	58.8%
All				27	51.9%	20	45.0%	20	55.0%	25	44.0%	26	65.4%

Level - Degree - Major - CIP				AY 2013-2014		AY 2014-2015		AY 2015-2016		AY 2016-2017		AY 2017-2018	
				#	%	#	%	#	%	#	%	#	%
Graduate	Masters	Geoscience, MS (#072)	450701	6	50.0%	7	42.9%	6	50.0%	7	71.4%	5	100.0%
All				6	50.0%	7	42.9%	6	50.0%	7	71.4%	5	100.0%

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
GEO	Geoscience, MS (#072)	450701	3.53 (N=12)	4.14 (N=5)	3.06 (N=6)	2.57 (N=10)	2.07 (N=5)
	Water Resource Management, AS (#298)~	150506		4.34 (N=4)			
	City & Regional Planning, Minor (#339)~		3.67 (N=1)				
	Earth Science, Minor (#353)			3.67 (N=1)	3.33 (N=1)		
	Environmental Studies, Minor (#363)~		3.89 (N=3)	4.00 (N=1)	3.45 (N=3)		
	Geographic Information Systems, Minor (#366)	450799	4.23 (N=9)	4.57 (N=10)	4.43 (N=7)	3.78 (N=6)	4.33 (N=5)
	Geography, Minor (#374)		7.29 (N=7)	4.33 (N=4)	5.11 (N=6)	4.00 (N=3)	9.75 (N=4)
	Geology, Minor (#377)		3.67 (N=1)			7.00 (N=3)	3.67 (N=3)
	Sustainability, Minor (#475)~		2.84 (N=2)	3.67 (N=1)	3.67 (N=1)		
	Environment and Sustainability, Minor (#477)~					3.67 (N=1)	
	Environmental Studies and Sustainability, Minor (#479)						3.67 (N=1)
	Water Resources, Minor (#491)	030205	4.17 (N=2)	4.56 (N=3)			5.00 (N=2)
	Geographic Information Science, BS (#576)	450702		4.89 (N=3)	4.00 (N=3)		7.50 (N=2)
	Geology, BS (#577)	400601	5.76 (N=11)	6.79 (N=8)	4.64 (N=11)	3.67 (N=7)	4.27 (N=11)
	Meteorology, BS (#578)	400404	3.40 (N=5)	3.95 (N=7)	4.67 (N=6)	4.06 (N=6)	4.00 (N=10)
	Geography, BS (#674)~	450701	4.54 (N=13)	4.78 (N=12)	6.00 (N=7)	4.22 (N=3)	
	Geography/Environmental Studies, BS (#675)	450701		1.34 (N=1)	3.54 (N=5)	3.81 (N=12)	4.19 (N=19)
	Geology, AB (#676)~	400601	5.33 (N=2)		7.33 (N=4)		
	Geology (minor required), BS (#677)~	400601	6.33 (N=1)	5.25 (N=4)	4.50 (N=2)		4.00 (N=1)
	Earth Science, AB (#678)	400601					6.33 (N=1)

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 $\left(\frac{[A*B] + [C*D]}{E}\right)$
GEO	17	\$71,308	7	\$48,809	10,529	\$148

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		306	405	414	384	374
% SCHP Taught by Full-time Faculty		78.6%	90.2%	88.1%	85.2%	92.5%
Upper Div Median Class Size		11	12	10	11	9
% Upper Div Sections with < 15 Enrolled		63.4%	63.8%	69.0%	60.9%	68.0%
Graduate Median Class Size		1	1	2	1	1
% Graduate Sections with < 10 Enrolled		93.8%	78.6%	92.9%	86.4%	92.6%