

JOINT STATE GOVERNMENT COMMISSION

General Assembly of the Commonwealth of Pennsylvania

Instructional Output and Faculty Salary Costs of the State-Related and State-Owned Universities

*Staff Analysis of 2018-19
Data Reported Under the Public School Code of
1949*

Updated March 2023



*Serving the General Assembly of the
Commonwealth of Pennsylvania Since 1937*

REPORT

*Instructional Output and Faculty Salary Costs
of the State-Related and State-Owned Universities*

Project Staff:

Bryan DeWalt, Public Policy Analyst
Wendy Baker, Executive Assistant

The full report is also available on our website, <http://jsg.legis.state.pa.us>.

JOINT STATE GOVERNMENT COMMISSION

Room 108 Finance Building
613 North Street
Harrisburg, PA 17120-0018

Telephone: 717-787-6592
Fax: 717-783-9380
E-mail: jntst02@legis.state.pa.us
Website: <http://jsg.legis.state.pa.us>

The Joint State Government Commission was created in 1937 as the primary and central non-partisan, bicameral research and policy development agency for the General Assembly of Pennsylvania.¹

A fourteen-member Executive Committee comprised of the leadership of both the House of Representatives and the Senate oversees the Commission. The seven Executive Committee members from the House of Representatives are the Speaker, the Majority and Minority Leaders, the Majority and Minority Whips, and the Majority and Minority Caucus Chairs. The seven Executive Committee members from the Senate are the President Pro Tempore, the Majority and Minority Leaders, the Majority and Minority Whips, and the Majority and Minority Caucus Chairs. By statute, the Executive Committee selects a chairman of the Commission from among the members of the General Assembly. Historically, the Executive Committee has also selected a Vice-Chair or Treasurer, or both, for the Commission. There was also a Secretary during some years.

The studies conducted by the Commission are authorized by statute or by a simple or joint resolution. In general, the Commission has the power to conduct investigations, study issues, and gather information as directed by the General Assembly. The Commission provides in-depth research on a variety of topics, crafts recommendations to improve public policy and statutory law, and works closely with legislators and their staff.

A Commission study may involve the appointment of a legislative task force, composed of a specified number of legislators from the House of Representatives or the Senate, or both, as set forth in the enabling statute or resolution. In addition to following the progress of a particular study, the principal role of a task force is to determine whether to authorize the publication of any report resulting from the study and the introduction of any proposed legislation contained in the report. However, task force authorization does not necessarily reflect endorsement of all the findings and recommendations contained in a report.

Some studies involve an appointed advisory committee of professionals or interested parties from across the Commonwealth with expertise in a particular topic; others are managed exclusively by Commission staff with the informal involvement of representatives of those entities that can provide insight and information regarding the particular topic. When a study involves an advisory committee, the Commission seeks consensus among the members.² Although an advisory committee member may represent a particular department, agency, association, or group, such representation does not necessarily reflect the endorsement of the department, agency, association, or group of all the findings and recommendations published in a report.

¹ Act of July 1, 1937 (P.L.2460, No.459) (46 P.S. § 65).

² Consensus does not necessarily reflect unanimity among the advisory committee members on each individual policy or legislative recommendation. However, it does, at a minimum, reflect the views of a substantial majority of the advisory committee, gained after lengthy review and discussion.

Over the years, nearly one thousand individuals from across the Commonwealth have served as members of the Commission's numerous advisory committees or have assisted the Commission with its studies. Members of advisory committees bring a wide range of knowledge and experience to deliberations involving a particular study. Individuals from countless backgrounds have contributed to the work of the Commission, such as attorneys, judges, professors and other educators, state and local officials, physicians and other health care professionals, business and community leaders, service providers, administrators and other professionals, law enforcement personnel, and concerned citizens. In addition, members of advisory committees donate their time to serve the public good; they are not compensated for their service as members. Consequently, the Commonwealth of Pennsylvania receives the financial benefit of such volunteerism, along with the expertise in developing statutory language and public policy recommendations to improve the law in Pennsylvania.

The Commission periodically reports its findings and recommendations, along with any proposed legislation, to the General Assembly. Certain studies have specific timelines for the publication of a report, as in the case of a discrete or timely topic; other studies, given their complex or considerable nature, are ongoing and involve the publication of periodic reports. Completion of a study, or a particular aspect of an ongoing study, generally results in the publication of a report setting forth background material, policy recommendations, and proposed legislation. However, the release of a report by the Commission does not necessarily reflect the endorsement by the members of the Executive Committee, or the Chair or Vice-Chair of the Commission, of all the findings, recommendations, or conclusions contained in the report. A report containing proposed legislation may also contain official comments, which may be used in determining the intent of the General Assembly.³

Since its inception, the Commission has published more than 360 reports on a sweeping range of topics, including administrative law and procedure; agriculture; athletics and sports; banks and banking; commerce and trade; the commercial code; crimes and offenses; decedents, estates, and fiduciaries; detectives and private police; domestic relations; education; elections; eminent domain; environmental resources; escheats; fish; forests, waters, and state parks; game; health and safety; historical sites and museums; insolvency and assignments; insurance; the judiciary and judicial procedure; labor; law and justice; the legislature; liquor; mechanics' liens; mental health; military affairs; mines and mining; municipalities; prisons and parole; procurement; state-licensed professions and occupations; public utilities; public welfare; real and personal property; state government; taxation and fiscal affairs; transportation; vehicles; and workers' compensation.

Following the completion of a report, subsequent action on the part of the Commission may be required, and, as necessary, the Commission will draft legislation and statutory amendments, update research, track legislation through the legislative process, attend hearings, and answer questions from legislators, legislative staff, interest groups, and constituents.

³ 1 Pa.C.S. § 1939 ("The comments or report of the commission . . . which drafted a statute may be consulted in the construction or application of the original provisions of the statute if such comments or report were published or otherwise generally available prior to the consideration of the statute by the General Assembly").



General Assembly of the Commonwealth of Pennsylvania

JOINT STATE GOVERNMENT COMMISSION

Room 108 – Finance Building

Harrisburg, Pa 17120

717-787-4397 Fax 717-783-9380

February 2020

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To the Members of the General Assembly of Pennsylvania:

Pursuant to the Pennsylvania Public School Code of 1949, we are pleased to release the Instructional Output and Faculty Salary Costs of the State-related and State-owned Universities, an annual statistical comparison of full-time equivalent student levels, degrees conferred, and average workweek hours and instructional salary of faculty, as reported by the universities and compiled by our staff.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Glenn J. Pasewicz".

Glenn J. Pasewicz
Executive Director

47th Annual Report

This report summarizes the instructional outputs, instructional faculty salary costs, tuition, and Commonwealth instructional appropriations and student aid for Pennsylvania's State-related and State-owned universities the Commonwealth's public universities.

The report is based primarily on data reported by Pennsylvania's public universities to the Pennsylvania General Assembly, as required by the Public School Code. These data include student credit hours and degrees, and faculty salaries and workweek activities. The report includes instructional faculty salaries, but does not include noninstructional faculty salaries. Therefore, average faculty salaries in the report cannot be compared to those reported in other places. In addition, since the university data do not include nonsalary expenditures, the report does not summarize total instructional costs for the universities. Data on tuition, Commonwealth instructional appropriations, and student aid from other sources supplement the university data.

Levels of data for 2018-19 and data trends for 2013-14 to 2018-19 are presented. Readers are cautioned to use the current historical tables for prior years' data, as some previous data have been revised in these tables.

Student credit hour and salary data are combined for the computation of a measure of cost efficiency: instructional faculty salary cost per full time equivalent student. Tuition and instructional appropriation data are combined for the computation of a measure of cost sharing: the percentage of total instructional revenues covered by instructional appropriations.

This report is intended for use by a variety of persons or groups: by legislators for making appropriation decisions; by university administrators for evaluating policies related to faculty outputs, salaries and workloads; and by Pennsylvania citizens, for making informed judgments about the levels and shares of costs related to public higher education in the Commonwealth.

STATE-RELATED AND STATE-OWNED UNIVERSITIES AND BRANCH CAMPUSES (WITH COUNTIES)

State-Related Universities

Lincoln (Chester)
Penn State University Park (Centre)
 Abington (Montgomery)
 Altoona (Blair)
 Beaver (Beaver)
 Behrend College (Erie)
 Berks (Berks)
 Brandywine (Delaware)
 DuBois (Clearfield)
 Eberly (Fayette)
 Great Valley (Chester)
 Greater Allegheny (Allegheny)
 Harrisburg (Dauphin)
 Hazleton (Luzerne)
 Lehigh Valley (Lehigh)
 Mont Alto (Franklin)
 New Kensington (Westmoreland)
 Schuylkill (Schuylkill)
 Shenango (Mercer)
 Wilkes-Barre (Luzerne)
 Worthington Scranton (Lackawanna)
 York (York)
Dickinson School of Law (Cumberland)**
Milton S. Hershey Medical Center (Dauphin)*
Pennsylvania College
 of Technology (Lycoming)**
Pittsburgh (Allegheny)*
 Bradford Campus (McKean)
 Greensburg Campus (Westmoreland)
 Johnstown Campus (Cambria)
 Titusville Campus (Crawford)
Temple (Philadelphia)*
 Ambler Campus (Montgomery)
 Harrisburg Center (Dauphin)

State-Owned Universities

Bloomsburg (Columbia)
California (Washington)
Cheyney (Delaware)
Clarion (Clarion)
 Venango Campus (Venango)
East Stroudsburg (Monroe)
Edinboro (Erie)
Indiana (Indiana)
 Armstrong Campus (Armstrong)
 Punxsutawney Campus (Jefferson)
Kutztown (Berks)
Lock Haven (Clinton)
 Clearfield Campus (Clearfield)
Mansfield (Tioga)
Millersville (Lancaster)
Shippensburg (Cumberland)
Slippery Rock (Butler)
West Chester (Chester)

* Medical School data not included in this report.

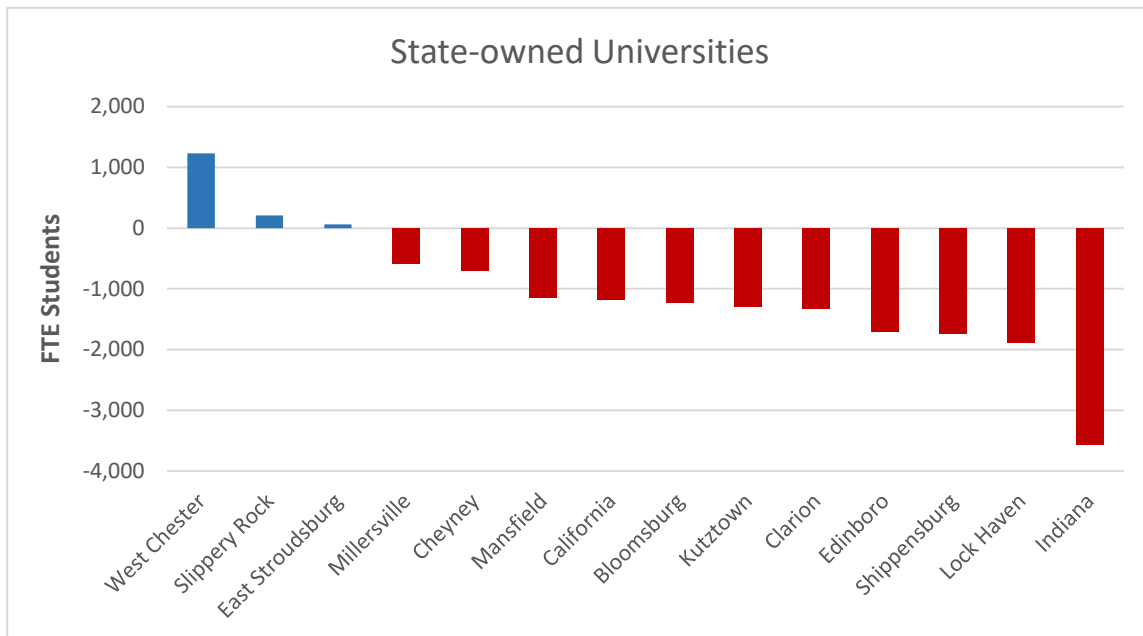
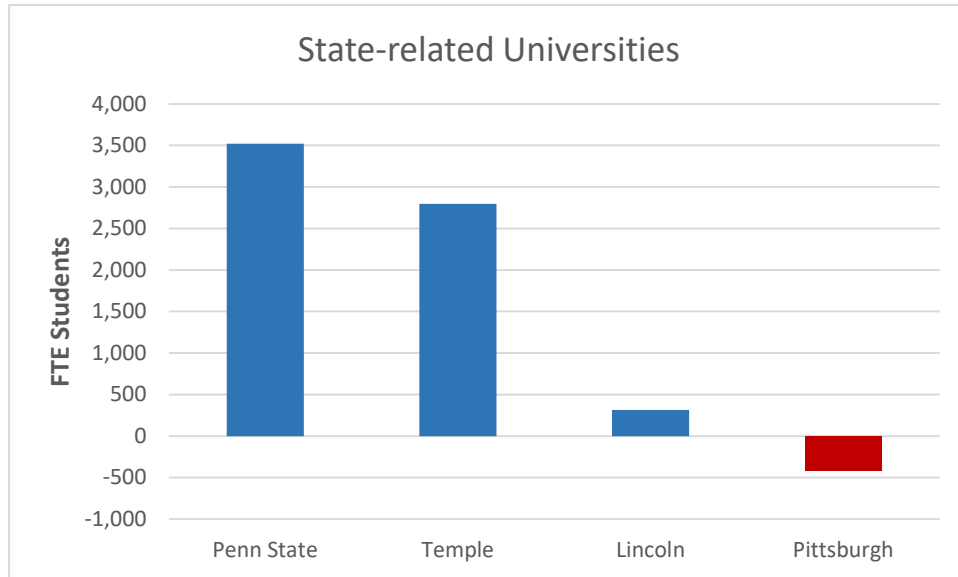
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CHANGES IN FTE STUDENT ENROLLMENTS IN THE
STATE-RELATED AND STATE-OWNED UNIVERSITIES
2013-14 TO 2018-19



CURRENT YEAR DATA TABLES

Table 1
 FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL¹
 2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Total						Undergraduate			Graduate ²			
	FTE Students	One-year change	Percent change		FTE students	One-year change	FTE students	Percent change		One-year change	FTE students	Percent change	
			One-year	Five-year average				One-year	Five-year average			One-year	Five-year average
State-related													
Lincoln	2,185	42	2%	3%	1,973	61	3%	5%	212	-19	-8%	-6%	
Penn State	88,526	-1757	-2	1	78,627	-2056	3	1	9,899	299	3	4	
Pittsburgh	33,737	120	a	a	25,352	-25	a	a	8,385	145	2	-2	
Temple	37,406	32	a	2	29,961	-105	a	1	7,445	137	2	1	
Total	161,854	-1563	-1	1	135,913	-2126	-2	1	25,941	562	2	1	
State-owned													
Bloomsburg	8,419	-392	-4	-3	7,855	-376	-5	-3	564	-17	-3	-1	
California	6,675	-280	-4	-3	4,823	-280	-5	-5	1852	0	a	1	
Cheyney	456	-253	-36	-16	453	-221	-33	-16	3	-32	-90	a	
Clarion	4,051	-362	-8	-5	3,415	-393	-10	-7	636	30	5	2	
East Stroudsburg	6,340	121	2	a	5,736	24	a	a	604	97	19	5	
Edinboro	4,543	-650	-13	-6	3,456	-657	-16	-8	1087	8	1	5	
Indiana	10,344	-1,035	-9	-6	8,891	-1021	-10	-6	1454	-14	-1	-1	
Kutztown	7,568	-107	-1	-3	7,030	-94	-1	-4	537	-13	-2	5	
Lock Haven	3,225	-511	-14	-9	2,797	-506	-15	-10	428	-5	-1	a	
Mansfield	1,546	-300	-16	-10	1,522	-291	-16	-10	24	-9	-27	-33	
Millersville	6,901	33	a	-2	6,200	-30	a	-2	702	62	10	3	
Shippensburg	5,681	-186	-3	-5	5,110	-186	-4	-6	571	0	a	a	
Slippery Rock	8,985	-117	-1	1	7,683	-120	-2	a	1302	3	a	10	
West Chester	16,026	124	1	2	14,042	19	a	1	1984	105	6	6	
Total	90,761	-3,915	-4	-3	79,013	-4,131	-5	-4	11748	216	2	3	
All universities	252,615	-5,479	-2	-1	214,926	-6,257	-3	-1	37,689	778	2	1	

1. Data for each year represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Graduate includes master's level at all universities, first professional and/or doctor's level (excluding medical school) at Penn State, Pittsburgh, Temple, Bloomsburg, East Stroudsburg, Indiana, Slippery Rock, and West Chester.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Table 2
FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL¹
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Lower Division			Upper Division			Master's			First professional ² and doctor's			
	FTE Students	Percent change		FTE students	Percent change		FTE students	Percent change		FTE students	Percent change		
		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average	
State-related													
Lincoln	1,484	a	5%	489	13%	6%	212	-8%	-6%	na	na	na	na
Penn State	41,061	-3	a	37,566	-2	1	5,370	4	7	4,529	2%	a	a
Pittsburgh	16,147	-1	a	9,205	1	1	5,473	2	-2	2,913	1	-1%	-1%
Temple	13,050	-4	1	16,910	3	2	3,963	-2	6	3,482	6	-2	-2
Total	71,743	-3	a	64,170	a	1	15,018	2	3	10,924	3	-1	-1
State-owned													
Bloomsburg	5,379	-5	-4	2,476	-4	a	490	a	-4	74	12	3	3
California	2,593	-2	-5	2,229	-9	-4	1,794	-2	a	59	157	na	na
Cheyney	267	-35	-15	186	-30	-16	3	-90	a	na	na	na	na
Clarion	2,043	-12	-8	1,372	-7	-4	629	5	2	7	-1	27	27
East Stroudsburg	3,811	1	a	1,866	-5	a	572	17	5	27	51	na	na
Edinboro	1,937	-21	-10	1,520	-7	-6	1,087	1	5	na	na	na	na
Indiana	5,865	-9	-7	3,026	-12	-5	1,097	-6	5	357	3	-9	-9
Kutztown	3,531	-4	-5	3,452	a	-2	596	8	7	na	na	na	na
Lock Haven	1,901	-17	-10	896	-11	-8	428	-1	a	na	na	na	na
Mansfield	826	-13	-11	697	-19	-8	24	-27	-27	na	na	na	na
Millersville	3,708	-2	-2	2,491	2	-2	681	9	3	na	na	na	na
Shippensburg	3,556	a	-4	1,760	a	-3	567	a	-1	na	na	na	na
Slippery Rock	4,618	-2	a	3,066	-1	a	960	-5	12	342	na	7	7
West Chester	8,542	1	1	5,500	-1	1	1,886	6	5	98	na	79	79
Total	48,558	-5	-4	30,537	-4	-3	10,813	1	3	977	11	1	1
All universities	120,301	-4	-2	94,707	-2	a	25,830	2	3	11,900	3	-1	-1

1. Data for each year represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Excludes medical school data.

a. Rounds to less than 1 percent.

na. Not applicable.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Table 3A
 LINCOLN UNIVERSITY
 NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2018-19

CIP Classification	Total	Percent of Total	Undergraduate				Graduate	Percent of total
			Lower Division	Percent of total	Upper division	Percent of total		
Agriculture	-	-	-	-	-	-	-	-
Architecture and Related Services	-	-	-	-	-	-	-	-
Area, Ethnic, Cultural, and Gender Studies	83	4%	79	5%	5	1%	-	-
Business	165	8	45	3	77	16	43	20%
Communications	101	5	43	3	59	12	-	-
Computer and Information Sciences and Support Services	74	4	57	4	17	4	-	-
Personal and Culinary Services	-	-	-	-	-	-	-	-
Education	80	4	4	a	0	a	76	36
Engineering	8	a	5	a	2	a	-	-
Foreign Languages, Literature, and Linguistics	55	3	50	3	6	1	-	-
Health Professions and Related Clinical Sciences	172	9	98	7	74	15	-	-
Family and Consumer Sciences/ Human Sciences	-	-	-	-	-	-	-	-
Legal Professions and Studies	-	-	-	-	-	-	-	-
English Language and Literature/Letters	224	11	200	13	24	5	-	-
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	-	-	-	-
Library Science	-	-	-	-	-	-	-	-
Biological and Biomedical Sciences	140	7	122	8	18	4	-	-
Mathematics and Statistics	190	10	188	13	3	1	-	-
Military Technologies	-	-	-	-	-	-	-	-
Multi/Interdisciplinary Studies	-	-	-	-	-	-	-	-
Parks, Recreation, Leisure, and Fitness Studies	-	-	-	-	-	-	-	-
Personal and Social Development	-	-	-	-	-	-	-	-
Philosophy and Religion/Theology	96	5	91	6	5	1	-	-
Physical Sciences	114	6	108	7	6	1	-	-
Psychology	109	6	36	2	39	8	34	16
Security and Protective Services/ Public Administration and Services	213	11	67	4	90	18	57	27
Social Sciences and History	191	10	134	9	56	11	2	1
Trade and Industrial	-	-	-	-	-	-	-	-
Visual and Performing Arts	143	7	134	9	9	2	-	-
Other	25	1	25	2	0	-	-	-
Total ²	1,972	100	1,484	100	489	100	212	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by Lincoln University, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP)" <http://nces.ed.gov/ipeds/cipcode/Default.aspx?v=55> U.S. Department of Education, National Center for Education Statistics.

Table 3B
PENNSYLVANIA STATE UNIVERSITY
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2018-19

CIP Classification	Total	Percent of Total	Undergraduate				Graduate	Percent of Total
			Lower Division	Percent of Total	Upper division	Percent of Total		
Agriculture	1,410	2%	630	2%	644	2%	136	1%
Architecture and Related Services	505	1	191	a	256	1	58	1
Area, Ethnic, Cultural, and Gender Studies	1,049	1	810	2	180	a	59	1
Business	10,346	12	1,954	5	6,665	18	1,727	17
Communications	4,323	1	2,639	6	1,592	4	92	1
Computer and Information Sciences and Support Services	4,264	1	1,780	4	1,953	5	531	5
Personal and Culinary Services	-	-	-	-	-	-	-	-
Education	2,237	3	184	a	1,075	3	977	10
Engineering	8,718	10	2,103	5	5,014	13	1,600	16
Foreign Languages, Literature, and Linguistics	3,442	4	1,621	4	1,702	5	119	1
Health Professions and Related Clinical Sciences	3,195	4	672	2	1,942	5	581	6
Family and Consumer Sciences/ Human Sciences	2,005	2	941	2	961	3	103	1
Legal Professions and Studies	930	1	-	-	1	a	929	9
English Language and Literature/Letters	4,107	5	3,275	8	755	2	77	1
Liberal Arts and Sciences, General Studies and Humanities	106		39	a	62	a	5	a
Library Science	-	-	-	-	-	-	-	-
Biological and Biomedical Sciences	5,310	6	2,817	7	2,296	6	198	2
Mathematics and Statistics	8,301	9	5,445	13	2,470	7	386	4
Military Technologies	82	a	46	a	36	a	0	
Multi/Interdisciplinary Studies	900	1	239	1	226	1	435	4
Parks, Recreation, Leisure, and Fitness Studies	2,000	2	469	1	1,480	4	51	1
Personal and Social Development	-	-	-	-	-	-	-	-
Philosophy and Religion/Theology	1,063	1	831	2	203	1	29	a
Physical Sciences	6,862	8	5,103	12	1,214	3	545	6
Psychology	3,447	4	1,620	4	1,440	4	387	4
Security and Protective Services/ Public Administration and Services	1,676	2	781	2	653	2	242	2
Social Sciences and History	8,419	10	4,832	12	3,117	8	469	5
Trade and Industrial	6	a	-	-	6	a	-	-
Visual and Performing Arts	3,823	4	2,042	5	1,621	4	161	2
Other	-	-	-	-	-	-	-	-
Total²	88,526	100	41,061	100	37,566	100	9,899	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by Penn State University, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP)" <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 3C
UNIVERSITY OF PITTSBURGH
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2018-19

CIP Classification	Total	Percent of Total	Undergraduate				Graduate	Percent of Total
			Lower Division	Percent of Total	Upper division	Percent of Total		
Agriculture	-	-	-	-	-	-	-	-
Architecture and Related Services	-	-	-	-	-	-	-	-
Area, Ethnic, Cultural, and Gender Studies	401	1%	177	1%	216	2%	7	a
Business	2,359	7	449	3	1,238	13	672	8%
Communications	-	-	-	-	-	-	-	-
Computer and Information Sciences and Support Services	1,609	5	747	5	419	5	443	5
Personal and Culinary Services	-	-	-	-	-	-	-	-
Education	1,474	4	487	3	390	4	596	7
Engineering	2,809	8	986	6	1,141	12	681	8
Foreign Languages, Literature, and Linguistics	1,462	4	1,001	6	379	4	83	1
Health Professions and Related Clinical Sciences	4,938	15	471	3	1,037	11	3,431	41
Family and Consumer Sciences/ Human Sciences	-	-	-	-	-	-	-	-
Legal Professions and Studies	557	2	-	-	12	a	545	7
English Language and Literature/Letters	2,565	8	1,977	12	499	5	89	1
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	-	-	-	-
Library Science	65	a	9	a	7	a	49	1
Biological and Biomedical Sciences	1,799	5	989	6	661	7	150	2
Mathematics and Statistics	2,231	7	1,618	10	471	5	141	2
Military Technologies	20	a	10	a	9	a	-	-
Multi/Interdisciplinary Studies	844	3	451	3	372	4	22	a
Parks, Recreation, Leisure, and Fitness Studies	-	-	-	-	-	-	-	-
Personal and Social Development	-	-	-	-	-	-	-	-
Philosophy and Religion/Theology	600	2	401	2	173	2	26	a
Physical Sciences	2,862	8	2,311	14	295	3	255	3
Psychology	1,561	5	992	6	403	4	166	2
Security and Protective Services/ Public Administration and Services	1,123	3	111	1	246	3	766	9
Social Sciences and History	3,319	10	2,068	13	1,065	12	186	2
Trade and Industrial	-	-	-	-	-	-	-	-
Visual and Performing Arts	1,139	3	894	6	169	2	77	1
Other	-	-	-	-	-	-	-	-
Total ²	33,737	100	16,147	100	9,205	100	8,385	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by University of Pittsburgh, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP)" <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 3D
 TEMPLE UNIVERSITY
 NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2018-19

CIP Classification	Total	Percent of Total	Undergraduate				Graduate	Percent of Total
			Lower Division	Percent of Total	Upper division	Percent of Total		
Agriculture	-	-	-	-	-	-	-	-
Architecture and Related Services	276	1%	89	1%	138	1%	49	1%
Area, Ethnic, Cultural, and Gender Studies	428	1	189	1	223	1	16	a
Business	6,689	18	1,582	12	3,598	21	1,509	20
Communications	2,373	6	781	6	1,504	9	88	1
Computer and Information Sciences and Support Services	796	2	223	2	524	3	49	1
Personal and Culinary Services	-	-	-	-	-	-	-	-
Education	1,589	4	480	4	633	4	475	6
Engineering	1,392	4	444	3	863	5	85	1
Foreign Languages, Literature, and Linguistics	1,181	3	553	4	617	4	12	a
Health Professions and Related Clinical Sciences	3,772	10	366	3	709	4	2,697	36
Family and Consumer Sciences/ Human Sciences	-	-	-	-	-	-	-	-
Legal Professions and Studies	1,352	4	191	1	132	1	1,029	14
English Language and Literature/Letters	1,191	3	839	6	315	2	38	1
Liberal Arts and Sciences, General Studies and Humanities	1,302	3	898	7	397	2	7	a
Library Science	-	-	-	-	-	-	-	-
Biological and Biomedical Sciences	830	2	243	2	500	3	88	1
Mathematics and Statistics	1,444	4	997	8	431	3	17	a
Military Technologies	-	-	-	-	-	-	-	-
Multi/Interdisciplinary Studies	60	a	40	a	19	-	1	a
Parks, Recreation, Leisure, and Fitness Studies	1,483	4	409	3	885	5	189	3
Personal and Social Development	-	-	-	-	-	-	-	-
Philosophy and Religion/Theology	687	2	288	2	382	2	17	a
Physical Sciences	1,602	4	762	6	744	4	97	1
Psychology	1,651	4	593	5	852	5	206	3
Security and Protective Services/ Public Administration and Services	984	3	203	2	462	3	320	4
Social Sciences and History	3,277	9	1,662	13	1,468	9	147	2
Trade and Industrial	-	-	-	-	-	-	-	-
Visual and Performing Arts	3,046	8	1,219	9	1,515	9	312	4
Other	-	-	-	-	-	-	-	-
Total ²	37,406	100	13,050	100	16,910	100	7,445	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by Temple University, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP)" <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 3E
STATE-OWNED UNIVERSITIES
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2018-19

CIP Classification	Total	Percent of Total	Undergraduate				Graduate	Percent of Total
			Lower Division	Percent of Total	Upper division	Percent of Total		
Agriculture	311	a	213	a	83	a	15	a
Architecture and Related Services	33	a	1	a	21	a	11	a
Area, Ethnic, Cultural and Gender Studies	582	1%	318	1%	260	1%	5	a
Business	9,855	11	2,822	6	5,816		1,217	10%
Communications	3,932	4	2,572	5	1,222	4	138	1
Computer and Information Sciences and Support Services	2,000	2	1,214	3	688	2	98	1
Personal and Culinary Services	176	a	111	a	65	a	-	-
Education	9,948	11	2,503	5	4,141	14	3,304	28
Engineering	737	1	250	1	389	1	98	1
Foreign Languages, Literature and Linguistics	2,008	2	1,573	3	347	1	87	1
Health Professions and Related Clinical Sciences	7,668	8	1,779	4	3,356	11	2,532	21
Family and Consumer Sciences/ Human Sciences	386	a	137	a	195	1	54	a
Legal Professions and Studies	352	a	224	a	83	a	45	a
English Language and Literature/Letters	5,723	6	4,277	9	1,291	4	155	1
Liberal Arts and Sciences, General Studies and Humanities	260	a	226	a	28	a	6	a
Library Science	275	a	10	a	8	a	257	2
Biological and Biomedical Sciences	4,177	5	2,954	6	1,120	4	103	1
Mathematics and Statistics	4,924	5	4,139	9	643	2	142	1
Military Technologies	125	a	88	a	37	a	-	-
Multi/Interdisciplinary Studies	753	1	499	1	215	1	38	a
Parks, Recreation, Leisure and Fitness Studies	3,121	3	989	2	1,322	4	810	7
Personal and Social Development	859	1	791	2	63	a	5	a
Philosophy and Religion/Theology	1,516	2	1,290	3	203	1	23	a
Physical Sciences	5,431	6	4,498	9	841	3	91	1
Psychology	5,117	6	2,602	5	1,722	6	793	7
Security and Protective Services/ Public Administration and Services	4,511	5	1,302	3	1,961	6	1,248	11
Social Sciences and History	9,891	11	6,970	14	2,653	9	268	2
Trade and Industrial	31	a	25	a	6	a	-	-
Visual and Performing Arts	5,866	6	3,972	8	1,652	5	242	2
Other	69	a	53	a	7	a	9	a
Total²	90,637	100	48,404	100	30,439	100	11,793	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the State-owned Universities, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP)" <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 4
DEGREES CONFERRED¹
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Total				Undergraduate				Graduate ²					
	Degrees	Percent change		Degrees	Percent change		Degrees	Percent change		Degrees	Percent change		Degrees	
		One-year change	Five-year average		One-year change	Five-year average		One-year change	Five-year average		One-year change	Five-year average		
State-related														
Lincoln	463	55	13%	2%	358	76	27%	6%	105	-21	-17%	-5%		
Penn State	20,963	-483	-2	1	16,509	-580	-3	1	4,454	97	2	3		
Pittsburgh	8,940	-108	-1	a	5,664	9	a	1	3,276	-117	-3	a		
Temple	10,029	311	3	3	6,749	277	4	2	3,280	34	1	6		
Total	40,395	-201	a	2	29,280	-195	-1	1	11,115	-6	a	3		
State-owned														
Bloomsburg	2,178	102	5	a	1,880	63	3	a	298	39	15	a		
California	2,255	-89	-4	-2	1,345	-34	-2	-2	910	-55	-6	-1		
Cheyney	120	-55	-31	-4	106	-45	-30	-6	14	-10	-42	40		
Clarion	1,203	-37	-3	-3	839	-43	-5	-4	364	6	2	-1		
East Stroudsburg	1,497	10	1	a	1,267	33	3	a	230	-23	-9	3		
Edinboro	1,291	6	a	-4	816	-26	-3	-6	475	32	7	1		
Indiana	2,780	-189	-6	-2	2,037	-184	-8	-3	743	-5	-1	a		
Kutztown	1,904	94	5	-1	1,631	102	7	-1	273	-8	-3	4		
Lock Haven	797	-109	-12	-5	664	-81	-11	-5	133	-28	-17	-2		
Mansfield	383	-138	-26	-8	347	-138	-28	-7	36	0	a	-15		
Millersville	1,667	35	2	-1	1,377	10	1	-2	290	25	9	4		
Shippensburg	1,571	17	1	-2	1,255	67	6	-2	316	-50	-14	2		
Slippery Rock	2,262	19	1	2	1,761	-2	a	a	501	21	4	10		
West Chester	4,360	-199	-4	2	3,398	-273	-7	1	962	74	8	6		
Total	24,268	-534	-2	-1	18,723	-552	-3	-2	5,545	18	a	1		
All universities	64,663	-735	-1	a	48,003	-747	-2	a	16,660	12	a	2		

1. Data for each year represent the summer term preceding the academic year plus the academic year.

2. Graduate includes master's level at all universities, first professional and/or doctor's level (excluding medical school) at Penn State, Pittsburgh, Temple, Bloomsburg, East Stroud Indiana, Slippery Rock, and West Chester.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Table 5

NUMBER AND WORKWEEKS OF FULL-TIME EMPLOYED FACULTY BY TYPE OF ACTIVITY
FALL 2018, AND PERCENTAGE CHANGE FROM FALL 2017

University	Full-time employed faculty ¹	Student contact						Average weekly hours ²					
		Undergraduate	Percent change	Graduate	Percent change	Instructional support ³	Percent change	Research	Percent change	Other university service ⁴	Percent change	Total work-week	Percent change
State-related													
Lincoln	101	10	-15%	1	5%	17	-8%	9	-8%	13	8%	48	-5%
Penn State	4,377	10	-1	3	4	14	-1	15	6	8	4	50	2
Pittsburgh	2,095	5	-2	2	1	14	1	20	-1	10	1	52	a
Temple	1,349	5	3	3	1	15	-13	11	-15	8	-12	43	-11
Total	7,922	8	a	3	3	14	-3	16	a	9	-1	49	-1
State-owned													
Bloomsburg	433	12	2	1	-1	17	-5	9	-4	17	a	55	-2
California	273	10	-1	2	-1	17	21	5	a	17	13	50	10
Cheyney	36	10	15	0	-100	18	6	13	26	16	-2	57	8
Clarion	232	10	-2	2	11	18	-5	6	-12	13	-5	49	-5
East Stroudsburg	236	13	32	2	35	14	-59	3	-20	25	83	57	-9
Edinboro	199	10	-7	2	-10	19	6	7	-7	13	1	51	-1
Indiana	567	9	7	2	18	18	7	8	1	20	11	58	8
Kutztown	404	9	-1	1	-7	13	a	6	-1	14	4	42	1
Lock Haven	209	10	-5	1	-1	19	a	7	7	18	-2	55	-1
Mansfield	109	18	13	0	1	19	12	8	9	22	21	67	15
Millersville	343	11	3	1	2	18	-8	9	-2	18	-3	57	a
Shippensburg	301	9	a	1	4	15	1	8	1	17	a	50	1
Slippery Rock	381	10	-4	1	-15	17	-3	7	-10	16	-5	51	-5
West Chester	650	10	-1	2	10	18	1	12	1	19	7	61	3
Total	4,373	10	2	1	3	17	-5	8	1	18	8	54	1
All universities	12,079	9	1	2	3	15	-4	13	1	12	3	51	a

1. The number of full-time employed faculty represents those reported by each university for the fall term.

2. Averages calculated for the full-time employed faculty who reported complete workweeks of 100 hours or less for the fall term

3. Includes course preparation and evaluation.

4. Includes public service, institutional support and student services.

a. Rounds to less than 1 percent.

na. Not applicable.

SOURCE: Data provided by the individual universities, 2018 to 2019

Table 6
NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY AND PERCENTAGE DISTRIBUTION BY RANK¹
 2018-19
 (Dollars in thousands)

University	FTE		Instructional salary		Professor		Associate professor		Assistant professor		Instructor		No rank ²	
	Number	Percent Change 2017-18	Amount	Percent Change 2016-17 to 2017-18	Average Instructional Salary	Percent of Faculty Salary	Average Instructional Salary	Percent of Faculty Salary	Average Instructional Salary	Percent of Faculty Salary	Average Instructional Salary	Percent of Faculty Salary	Average Instructional Salary	Percent of Faculty Salary
State-related														
Lincoln	175	6%	50	-1%	97.0	29%	75.3	20%	66.4	29%	19.2	17%	58.3	5%
Penn State	5,048	3	84	3	138.5	27	98.5	19	83.6	14	60.6	22	65.6	15
Pittsburgh	2,225	1	70	2	130.5	27	80.4	20	68.1	21	38.3	8	59.8	23
Temple	1,970	2	68	a	122.4	27	84.1	26	60.6	24	44.1	12	39.8	11
Total	9,418	2	78	3	132.8	27	90.1	20	72.2	18	53.5	17	58.9	16
State-owned														
Bloomington	470	-2	78.3	4	106.3	36	84.2	25	69.0	25	49.8	14	-	-
California	353	4	74.0	-5	98.5	36	78.0	25	66.8	23	51.2	14	58.4	a
Cheyney	46	-31	75.8	5	91.2	52	115.3	22	59.4	13	39.4	13	45.1	a
Clarion	250	2	80.0	4	105.8	37	88.3	27	71.1	21	50.8	15	-	-
East Stroudsburg	525	20	54.6	-11	66.1	35	59.3	30	46.8	16	41.9	19	54.6	-
Edinboro	318	-5	80.9	4	113.7	36	88.0	25	71.5	26	47.4	13	-	-
Indiana	624	-1	79.1	3	100.5	43	80.9	32	62.4	17	48.0	7	49.9	1
Kutztown	446	1	77.5	5	99.9	34	82.8	37	61.6	22	47.3	6	-	-
Lock Haven	211	-8	96.3	21	123.2	52	92.9	26	66.9	19	53.4	3	-	-
Mansfield	215	-4	40.7	15	53.4	26	43.5	34	34.7	19	33.3	18	-	-
Millersville	403	1	76.9	2	103.8	33	84.2	35	65.9	20	45.6	12	-	-
Shippensburg	347	a	83.4	a	102.0	44	85.1	35	69.7	13	45.3	7	-	-
Slippery Rock	437	5	73.7	a	91.5	28	78.7	33	66.4	25	54.8	13	-	-
West Chester	857	a	74.0	2	100.8	33	80.4	29	69.2	21	47.9	18	41.5	a
Total	5,502	1	74.4	2	98.0	37	79.1	30	64.3	20	47.2	12	48.6	a
All universities	14,754	1	76.3	2	115.0	31	84.7	24	68.8	19	51.5	15	58.8	10

1. Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective ranks by their total full-time equivalency in the instructional function. One full-time equivalent faculty represents workload for two terms (one academic year). The summer term is treated as one term or one-half of the academic year. Data for each year represent the summer term preceding the academic year plus the academic year.

2. The full-time equivalency of non-ranked faculty members is based on the time spent in instruction by all non-ranked personnel, including lecturers, administrators, librarians, research staff, graduate assistants and volunteers.

a. Rounds to less than 1 percent.

na. Not applicable.

SOURCE: Data provided by the individual universities, 2018 to 2019.

Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL¹
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Undergraduate						Master's				
	Lower Division		Upper Division		Total undergraduate		Total master's		Total		
	One-year	Five-year average	One-year	Five-year average	One-year	Five-year average	One-year	Five-year average	One-year		
State-related											
Lincoln	\$3,185	a	\$6,242	a	4%	\$3,943	2%	1%	\$4,864	15%	6%
Penn State	4,099	8%	4,982	5%	3	4,478	6	3	6,750	8	1
Pittsburgh	3,224	4	5,054	2	2	3,888	4	3	5,625	a	2
Temple	2,877	5	3,779	4	2	3,386	5	2	4,977	2	a
Total	3,623	6	4,585	4	2	4,077	5	2	6,090	4	a
State-owned											
Bloomsburg	2,938	3	6,605	9	5	4,094	6	5	8,315	10	4
California	3,014	4	4,759	6	4	3,821	4	4	4,125	-1	3
Cheyney	5,898	16	10,035	23	16	7,594	21	13	24,214	47	26
Clarion	4,035	13	5,991	19	3	4,821	17	4	5,366	2	a
East Stroudsburg	2,719	-2	7,237	17	7	4,204	6	5	8,206	-3	3
Edinboro	4,124	17	7,616	7	4	5,659	14	6	5,693	3	-1
Indiana	2,979	9	6,421	11	4	4,151	9	4	7,690	4	4
Kutztown	3,495	6	5,471	8	4	4,472	7	5	5,539	6	2
Lock Haven	5,708	25	8,073	32	12	6,466	28	11	5,235	31	10
Mansfield	4,092	16	7,298	47	9	5,559	32	8	12,031	69	18
Millersville	3,258	-13	6,133	23	8	4,413	4	4	4,900	-12	-1
Shippensburg	3,511	4	7,013	4	4	4,673	4	5	9,113	4	2
Slippery Rock	2,585	8	4,869	6	a	3,496	7	a	4,523	2	a
West Chester	2,643	-5	5,067	1	2	3,592	-2	1	6,270	14	a
Total	3,170	3	5,998	10	4	4,262	7	4	6,021	4	1
All universities	3,446	5	5,057	6	7	4,156	6	2	6,112	5	3

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Table 8A
 LINCOLN UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2018-19

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	-	-	-	-	-	-
Architecture and Related Services	-	-	-	-	-	-
Area, Ethnic, Cultural, and Gender Studies	\$1,137	\$5,151	\$1,395	-	-	-
Business	3,066	5,377	4,532	\$4,921	-	-
Communications	3,363	4,707	4,139	-	-	-
Computer and Information Sciences and Support Services	3,564	6,309	4,202	-	-	-
Personal and Culinary Services	-	-	-	-	-	-
Education	2,702	-	2,702	4,287	-	-
Engineering	4,198	28,779	11,485	-	-	-
Foreign Languages, Literature, and Linguistics	3,355	8,131	3,846	-	-	-
Health Professions and Related Clinical Sciences	2,664	9,557	5,639	-	-	-
Family and Consumer Sciences/ Human Sciences	-	-	-	-	-	-
Legal Professions and Studies	-	-	-	-	-	-
English Language and Literature/Letters	2,730	4,766	2,948	-	-	-
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	-	-
Library Science	-	-	-	-	-	-
Biological and Biomedical Sciences	3,672	9,463	4,412	-	-	-
Mathematics and Statistics	3,217	16,261	3,406	-	-	-
Military Technologies	-	-	-	-	-	-
Multi/Interdisciplinary Studies	-	-	-	-	-	-
Parks, Recreation, Leisure, and Fitness Studies	-	-	-	-	-	-
Personal and Social Development	-	-	-	-	-	-
Philosophy and Religion/Theology	3,109	12,449	3,613	-	-	-
Physical Sciences	5,655	28,646	6,843	-	-	-
Psychology	3,343	3,616	3,484	4,566	-	-
Security and Protective Services/ Public Administration and Services	2,735	3,875	3,389	3,098	-	-
Social Sciences and History	3,374	5,746	4,070	5,421	-	-
Trade and Industrial	-	-	-	-	-	-
Visual and Performing Arts	3,973	9,440	4,332	-	-	-
Other	1,155	-	1,155	-	-	-
Total	3,184	6,243	3,945	4,864	-	-

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level.

SOURCE: Data provided by Lincoln University, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP) " <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 8B
 PENNSYLVANIA STATE UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2018-19

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	\$3,749	\$5,548	\$4,659	\$13,242	-	\$5,833
Architecture and Related Services	6,771	7,292	7,070	14,724	-	5,374
Area, Ethnic, Cultural, and Gender Studies	3,096	8,419	4,064	17,623	-	5,444
Business	3,990	5,312	5,012	5,409	-	11,701
Communications	3,857	4,964	4,273	8,439	-	3,785
Computer and Information Sciences and Support Services	3,797	4,615	4,225	5,257	-	3,014
Personal and Culinary Services	-	-	-	-	-	-
Education	9,362	7,767	8,000	6,689	-	9,104
Engineering	6,005	6,230	6,164	10,006	-	6,648
Foreign Languages, Literature, and Linguistics	4,082	4,672	4,384	7,886	-	3,664
Health Professions and Related Clinical Sciences	4,483	4,157	4,241	9,407	-	9,194
Family and Consumer Sciences/ Human Sciences	2,831	5,050	3,953	13,058	-	7,793
Legal Professions and Studies	-	3,427	3,427	7,190	\$9,491	6,925
English Language and Literature/Letters	4,058	5,790	4,383	8,860	-	2,459
Liberal Arts and Sciences, General Studies and Humanities	10,210	9,740	9,923	53,711	-	-
Library Science	-	-	-	-	-	-
Biological and Biomedical Sciences	3,630	3,497	3,570	18,638	-	6,959
Mathematics and Statistics	2,962	3,424	3,106	3,167	-	4,472
Military Technologies	659	961	790	-	-	-
Multi/Interdisciplinary Studies	8,743	12,061	10,354	9,418	-	14,893
Parks, Recreation, Leisure, and Fitness Studies	4,172	4,289	4,261	15,468	-	8,011
Personal and Social Development	-	-	-	-	-	-
Philosophy and Religion/Theology	4,347	5,401	4,554	12,440	-	6,070
Physical Sciences	4,201	4,783	4,313	18,433	-	6,625
Psychology	2,984	5,243	4,047	6,796	-	6,999
Security and Protective Services/ Public Administration and Services	3,596	4,348	3,939	4,282	-	5,839
Social Sciences and History	3,218	4,916	3,884	10,525	-	8,429
Trade and Industrial	-	27,902	27,902	-	-	-
Visual and Performing Arts	3,529	4,948	4,157	17,629	-	4,102
Other	-	-	-	-	-	-
Total	4,099	4,892	4,478	6,750	9,491	6,274

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level.

SOURCE: Data provided by Pennsylvania State University, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP) " <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 8C
 UNIVERSITY OF PITTSBURGH
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2018-19

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	-	-	-	-	-	-
Architecture and Related Services	-	-	-	-	-	-
Area, Ethnic, Cultural, and Gender Studies	\$1,030	\$2,491	\$1,833	\$1,343	-	-
Business	3,866	5,194	4,841	4,964	\$20,133	\$32,105
Communications						
Computer and Information Sciences and Support Services	3,534	3,221	3,422	4,728	16,045	30,950
Personal and Culinary Services	-	-	-	-	-	-
Education	3,639	6,376	4,856	3,400	-	10,128
Engineering	2,387	3,641	3,059	7,645	-	34,660
Foreign Languages, Literature, and Linguistics	4,625	4,516	4,595	7,028	-	28,283
Health Professions and Related Clinical Sciences	3,025	5,262	4,564	5,964	2,125	20,876
Family and Consumer Sciences/ Human Sciences	-	-	-	-	-	-
Legal Professions and Studies	-	5,676	5,676	19,494	4,663	-
English Language and Literature/Letters	3,385	5,393	3,790	5,428	-	10,468
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	-	-
Library Science	11,442	4,517	8,334	12,395	-	65,484
Biological and Biomedical Sciences	2,674	5,508	3,810	6,030	-	18,266
Mathematics and Statistics	2,903	2,816	2,884	6,687	-	9,183
Military Technologies	-	-	-	-	-	-
Multi/Interdisciplinary Studies	5,712	5,725	5,718	7,820	-	10,782
Parks, Recreation, Leisure, and Fitness Studies	-	-	-	-	-	-
Personal and Social Development	-	-	-	-	-	-
Philosophy and Religion/Theology	3,134	5,155	3,743	15,875	-	45,177
Physical Sciences	2,973	9,066	3,664	5,478	-	17,651
Psychology	1,660	4,473	2,473	6,207	9,354	21,362
Security and Protective Services/ Public Administration and Services	3,282	5,111	4,545	5,074	7,333	15,295
Social Sciences and History	2,546	5,617	3,590	13,665	-	28,177
Trade and Industrial	-	-	-	-	-	-
Visual and Performing Arts	3,244	7,070	3,853	9,936	-	43,887
Other	-	-	-	-	-	-
Total	3,224	5,054	3,888	5,625	2,315	22,701

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level.

SOURCE: Data provided by University of Pittsburgh, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP) " <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 8D
 TEMPLE UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2018-19

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	-	-	-	-	-	-
Architecture and Related Services	\$3,447	\$4,663	\$4,184	\$8,401	-	-
Area, Ethnic, Cultural, and Gender Studies	1,979	2,692	2,365	6,329	-	\$6,039
Business	2,126	3,449	3,045	3,677	\$1,828	9,002
Communications	2,446	4,004	3,471	7,349	-	16,542
Computer and Information Sciences and Support Services	3,881	5,119	4,750	18,868	-	29,251
Personal and Culinary Services	-	-	-	-	-	-
Education	2,831	3,822	3,394	5,320	-	10,580
Engineering	3,153	3,507	3,386	12,789	-	29,840
Foreign Languages, Literature, and Linguistics	2,417	2,869	2,655	6,065	-	5,840
Health Professions and Related Clinical Sciences	2,712	3,886	3,487	6,634	1,199	5,611
Family and Consumer Sciences/ Human Sciences	-	-	-	-	-	-
Legal Professions and Studies	3,164	4,511	3,715	4,941	8,648	33,243
English Language and Literature/Letters	2,841	2,762	2,819	4,666	-	4,349
Liberal Arts and Sciences, General Studies and Humanities	2,126	2,604	2,273	5,699	-	16,668
Library Science	-	-	-	-	-	-
Biological and Biomedical Sciences	2,094	4,154	3,481	9,075	-	23,053
Mathematics and Statistics	2,425	3,118	2,634	10,368	-	18,990
Military Technologies	-	-	-	-	-	-
Multi/Interdisciplinary Studies	1,076	1,456	1,201	3,558	-	-
Parks, Recreation, Leisure, and Fitness Studies	1,480	3,463	2,836	5,503	-	7,155
Personal and Social Development	-	-	-	-	-	-
Philosophy and Religion/Theology	2,407	3,157	2,835	12,367	-	18,870
Physical Sciences	2,773	3,849	3,305	10,681	-	22,102
Psychology	2,191	4,481	3,541	6,541	-	16,296
Security and Protective Services/ Public Administration and Services	2,317	3,346	3,032	3,934	31,326	9,274
Social Sciences and History	2,077	3,238	2,621	4,790	5,006	8,825
Trade and Industrial	-	-	-	-	-	-
Visual and Performing Arts	3,430	4,627	4,093	9,377	-	10,214
Other	-	-	-	-	-	-
Total	2,877	3,779	3,386	4,977	2,362	9,424

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level.

SOURCE: Data provided by Temple University, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP) " <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55> U.S. Department of Education, National Center for Education Statistics.

Table 8E
STATE-OWNED UNIVERSITIES
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2018-19

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	\$2,994	\$5,996	\$3,837	\$9,711	-	-
Architecture and Related Services	7,449	5,613	5,722	7,483	-	-
Area, Ethnic, Cultural, and Gender Studies	3,808	5,466	4,553	13,033	-	-
Business	2,523	4,054	3,554	4,505	-	\$5,464
Communications	2,803	5,815	3,773	7,763	-	20,377
Computer and Information Sciences and Support Services	3,571	5,889	4,409	10,700	-	2,513
Personal and Culinary Services	-	-	-	-	-	-
Education	2,513	5,606	4,441	4,813	-	8,243
Engineering	4,111	6,973	5,854	4,171	-	12,259
Foreign Languages, Literature, and Linguistics	4,631	7,562	5,161	8,132	-	9,924
Health Professions and Related Clinical Sciences	3,786	5,131	4,665	5,245	-	4,156
Family and Consumer Sciences/ Human Sciences	2,667	4,490	3,738	4,643	-	-
Legal Professions and Studies	1,434	4,835	2,350	3,024	-	-
English Language and Literature/Letters	4,058	5,975	4,503	12,578	-	10,550
Liberal Arts and Sciences, General Studies and Humanities	11,429	24,514	12,882	62,602	-	-
Library Science	3,233	21,678	11,498	2,896	-	-
Biological and Biomedical Sciences	3,216	8,547	4,681	20,567	-	-
Mathematics and Statistics	3,458	7,085	3,946	9,703	-	8,204
Military Technologies	236	485	311	2,986	-	-
Multi/Interdisciplinary Studies	3,486	8,007	4,847	4,611	-	-
Parks, Recreation, Leisure, and Fitness Studies	2,786	5,099	4,109	3,874	-	12,735
Personal and Social Development	3,182	2,560	3,137	4,260	-	-
Philosophy and Religion/Theology	2,806	6,550	3,316	13,438	-	-
Physical Sciences	3,847	12,122	5,150	12,363	-	-
Psychology	2,524	5,317	3,636	6,015	-	12,776
Security and Protective Services/ Public Administration and Services	2,649	4,340	3,665	4,536	-	10,980
Social Sciences and History	2,798	6,675	3,866	12,511	-	24,379
Trade and Industrial	2,814	14,729	5,127	-	-	-
Visual and Performing Arts	4,043	10,116	5,827	12,448	-	-
Other	27,340	21,608	26,628	25,946	-	-
Total	3,172	6,004	4,265	6,014	-	8,067

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level.

In instances where state universities did not report assigned individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

SOURCE: Data provided by the State-related Universities, 2019; CIP classifications as defined in "The Integrated Postsecondary Education Data System (IPEDS) Classification of Instructional Programs (CIP) " <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>
U.S. Department of Education, National Center for Education Statistics.

Table 9
 AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL¹
 2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Undergraduate						Master's		
	Lower division		Upper division		Total undergraduate		Class size	Percent change	
	Class size	Percent change Five-year average	Class size	Percent change Five-year average	Class size	Percent change Five-year average			
State-related									
Lincoln	20	-3%	12	-11%	17	-8%	11	-15%	-4%
Penn State	28	-4	22	-1	25	-2	13	-4	-1
Pittsburgh	28	-1	24	a	26	-1	16	1	-3
Temple	32	-2	26	a	29	-1	17	-3	3
Total	28	-3	23	-1	26	-2	15	-1	1
State-owned									
Bloomsburg	29	a	17	-4	24	-2	10	-1	1
California	30	-7	20	-9	24	-7	18	-4	-4
Cheyney	17	-6	12	-9	14	-8	6	8	-4
Clarion	22	-11	15	-16	18	-14	13	-4	1
East Stroudsburg	34	-1	15	-15	24	-8	10	6	-6
Edinboro	23	-13	18	-8	20	-11	19	-3	2
Indiana	28	-6	17	-7	23	-6	11	a	-2
Kutztown	29	-4	19	-1	23	-3	15	2	a
Lock Haven	21	-10	16	-7	19	-9	19	-13	-4
Mansfield	21	-13	15	-13	18	-27	8	-16	-3
Millersville	26	a	19	-3	23	-1	15	12	2
Shippensburg	27	a	18	a	23	a	9	a	1
Slippery Rock	29	-4	18	-3	24	-4	15	-1	-1
West Chester	32	2	18	-6	25	-2	13	a	2
Total	28	-3	18	-6	23	-5	14	a	1
All universities	28	-3	21	-2	25	-2	15	a	1

1. Average class size for each level is calculated by dividing total classroom student credit hours by total classroom course (assigned) credits.
 a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Table 10
ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIDENCE
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Undergraduate				Graduate ¹			
	In-State		Out-of-State		In-State		Out-of-State	
	Tuition and required fees	Percent change One-year	Tuition and required fees	Percent change Five-year average	Tuition and required fees	Percent change One-year	Tuition and required fees	Percent change Five-year average
State-related								
Lincoln	\$11,036	-3%	\$16,952	-1%	\$11,420	-2%	\$18,950	-1%
Penn State ²	18,454	a	34,858	4	22,578	4	38,012	4
Pittsburgh ²	19,080	a	32,052	5	23,696	7	39,586	11
Temple	16,970	2	29,066	2	17,378	2	23,588	2
Average	16,385	a	28,232	3	18,768	4	30,034	5
State-owned								
Bloomsburg	10,958	4	22,782	4	15,266	4	21,458	4
California	11,108	2	15,726	3	16,672	3	22,864	3
Cheyney	10,533	3	15,799	3	NA	-	NA	-
Clarion	11,175	3	16,054	3	16,214	27	17,198	-26
East Stroudsburg	11,502	14	24,184	11	15,244	3	21,436	3
Edinboro	10,574	2	14,622	a	16,328	41	22,520	40
Indiana	12,979	7	18,730	8	16,650	4	22,842	3
Kutztown	10,802	8	22,626	62	14,634	35	20,826	36
Lock Haven	10,878	3	20,702	3	15,896	3	22,088	3
Mansfield	12,330	a	22,030	a	14,254	a	20,254	a
Millersville ³	12,226	a	22,196	3	15,882	3	22,074	3
Shippensburg	12,718	5	20,760	3	15,960	3	22,152	3
Slippery Rock	10,757	5	14,615	3	16,387	3	22,579	3
West Chester	10,412	3	22,236	7	15,103	a	21,295	8
Average	11,354	3	19,504	6	14,606	-1	19,970	-3

1. Excludes first-professional level.

2. Main campus data only.

3. In-state undergraduate tuition for Indiana, Mansfield, Millersville and Shippensburg is charged per credit. The tuition listed reflects a 30 credit year.

na. Not applicable.

a. Rounds to less than 1 percent.

SOURCE: Pennsylvania Department of Education, National Center for Education Statistics.

Table 11
 TUITION AND FEE REVENUES RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
 2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Total tuition and fee revenues			Tuition and fee revenues per FTE student		
	Amount (000s)	One-year Percent change	Five-year average	Amount	One-Year change	Five-year average
State-related						
Lincoln	\$30,520	4%	5%	\$13,970	\$228	2%
Penn State	1,862,945	a	3	21,044	441	2
Pittsburgh	796,079	4	3	23,596	771	3
Temple	997,562	5	7	26,669	1,354	5
Total	3,687,106	2	4	22,780	733	3
State-owned						
Bloomsburg	98,214	-3	1	11,666	226	2
California	78,712	-3	a	11,792	160	1
Cheyney	5,034	-37	-13	11,030	-306	-3
Clarion	48,806	-4	-1	12,047	512	4
East Stroudsburg	71,304	1	a	11,247	-128	-1
Edinboro	53,999	-9	-2	11,886	517	5
Indiana	138,155	-4	a	13,356	730	6
Kutztown	85,851	4	a	11,345	610	6
Lock Haven	37,780	-7	-4	11,716	805	7
Mansfield	17,779	-11	-7	11,502	715	7
Millersville	86,609	3	4	12,550	301	2
Shippensburg	69,632	2	2	11,867	234	2
Slippery Rock	98,420	2	5	10,953	338	3
West Chester	190,749	5	5	11,903	532	5
Total	1,081,043	-1	1	11,887	405	4
All universities	4,768,150	2	3	18,861	690	4

1. Tuition and fee revenues are based on collections by the individual universities. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.

a. Rounds to less than 1 percent.

SOURCE: Tuition and fee revenues - data provided by the individual State-related universities and the Pennsylvania State System of Higher Education, 2013 to 2019; FTE students - data provided by the individual universities, 2013 to 2019.

Table 12

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 TO 2018-19)

University	Total instructional appropriations			Instructional appropriations per FTE student			
	Amount (000s)	Percent change		Amount	One-Year change	Percent change	
		One-year	Five-year average			One-year	Five-year average
State-related							
Lincoln	\$14,869	3%	7%	\$6,806	\$68	1%	4%
Penn State	237,349	3	2	2,681	129	5	1
Pittsburgh	157,617	3	3	4,672	125	3	4
Temple	155,104	3	3	4,147	117	3	1
Total	564,939	3	3	3,490	135	4	2
State-owned							
Bloomsburg	37,576	4	3	4,463	360	9	5
California	33,443	3	2	5,010	339	7	6
Cheyney	13,206	a	-1	28,937	11,132	63	23
Clarion	25,939	4	3	6,403	750	13	9
East Stroudsburg	28,480	5	6	4,492	145	3	6
Edinboro	27,959	5	2	6,154	1,010	20	9
Indiana	54,847	2	1	5,302	565	12	7
Kutztown	36,960	4	2	4,884	250	5	6
Lock Haven	25,190	1	5	7,812	1,131	17	15
Mansfield	17,684	6	1	11,440	2,364	26	13
Millersville	34,805	3	2	5,043	123	3	4
Shippensburg	30,675	3	2	5,399	300	6	6
Slippery Rock	38,926	3	4	4,332	177	4	3
West Chester	56,937	3	3	3,553	76	2	1
Total ²	462,626	3	3	5,097	366	8	6
All universities ²	1,027,565	3	3	4,068	208	5	3

1. Instructional appropriations include educational and general appropriations. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.

2. Excludes amount of instructional appropriations allocated to Office of the Chancellor and the System Reserve of the Pennsylvania State System of Higher Education.

a. Rounds to less than 1 percent.

SOURCE: Instructional appropriations - Governor's Executive Budget, 2013-14 to 2018-19; data provided by the individual State-related universities and the Pennsylvania State System of Higher Education, 2013 to 2019. FTE students- data provided by the individual universities, 2013 to 2019.

Table 13

TUITION AND FEE REVENUES, COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS AND STUDENT AID
RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (2013-14 to 2018-19)

University	Per FTE student			Ratio of instructional appropriations to total instructional revenues		
	Tuition and Fee Revenues	Instructional Appropriations	Total Instructional Revenues	Percent	Percentage change	
					One-year	Five-year average
State-related						
Lincoln	13,970	6,806	20,776	33%	a	2%
Penn State	21,044	2,681	23,725	11	3%	-1
Pittsburgh	23,596	4,672	28,268	17	-1	a
Temple	26,669	4,147	30,815	13	-2	-1
Average	22,780	3,490	26,271	13	1	a
State-owned						
Bloomsburg	11,666	4,463	16,130	28	5	1
California	11,792	5,010	16,802	30	4	1
Cheyney	11,030	28,937	39,967	72	18	6
Clarion	12,047	6,403	18,450	35	6	3
East Stroudsburg	11,247	4,492	15,739	29	3	4
Edinboro	11,886	6,154	18,040	34	10	3
Indiana	13,356	5,302	18,658	28	4	1
Kutztown	11,345	4,884	16,229	30	a	1
Lock Haven	11,716	7,812	19,528	40	5	6
Mansfield	11,502	11,440	22,942	50	9	5
Millersville	12,550	5,043	17,593	29	a	-1
Shippensburg	12,256	5,399	17,655	31	a	a
Slippery Rock	10,953	4,332	15,286	28	1	-1
West Chester	11,903	3,553	15,455	23	-2	-2
Average ²	11,422	5,097	16,519	31	5	3
All universities ²	20,981	4,068	25,049	16	2	-3

1. Tuition and fee revenues are based on collections by the individual universities. Instructional appropriations include educational and general appropriations. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical schools.
 2. Instructional appropriations exclude amount allocated to Office of the Chancellor and the System Reserve of the Pennsylvania State System of Higher Education.
- a. Rounds to less than 1 percent.

SOURCE: Tuition and fee revenues - State-owned data provided by the Pennsylvania State System of Higher Education; State-related data provided by the individual universities.

NOTE: Student Aid Per FTE has been omitted from the report due to misrepresentation of financial aid disbursement per FTE

HISTORICAL DATA TABLES

Historical Table 1
 FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL¹
 2013-14 to 2018-19

University	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
State-related						
Lincoln						
Total	1,870	1,753	1,792	1,904	2,141	2,185
Undergraduate	1,558	1,536	1,602	1,693	1,912	1,973
Graduate	313	217	190	212	230	212
Penn State						
Total	85,004	86,760	87,856	90,717	90,283	88,526
Undergraduate	76,688	78,267	79,183	81,586	80,683	78,627
Graduate	8,316	8,493	8,673	9,131	9,600	9,899
Pittsburgh						
Total	34,153	34,264	33,988	33,840	33,617	33,737
Undergraduate	24,986	25,235	25,221	25,444	25,377	25,352
Graduate	9,167	9,029	8,767	8,396	8,240	8,385
Temple						
Total	34,611	34,639	35,066	37,236	37,374	37,406
Undergraduate	27,540	27,726	28,296	29,574	30,066	29,961
Graduate	7,071	6,914	6,770	7,662	7,308	7,445
State-owned						
Bloomsburg						
Total	9,644	9,504	9,319	9,209	8,811	8,419
Undergraduate	9,053	8,947	8,781	8,654	8,230	7,855
Graduate	591	557	538	555	581	564
California						
Total	7,853	7,606	7,457	7,294	6,955	6,675
Undergraduate	6,084	5,741	5,445	5,329	5,103	4,823
Graduate	1,769	1,865	2,011	1,965	1,852	1,852
Cheyney						
Total	1,161	1,030	721	767	710	456
Undergraduate	1,140	1,017	698	731	674	453
Graduate	21	13	23	36	36	3
Clarion						
Total	5,377	4,805	4,575	4,615	4,414	4,051
Undergraduate	4,805	4,305	4,026	4,022	3,808	3,415
Graduate	572	500	549	594	606	636
East Stroudsburg						
Total	6,280	6,148	6,155	5,959	6,219	6,277
Undergraduate	5,794	5,672	5,656	5,490	5,712	5,678
Graduate	486	476	499	469	507	599
Edinboro						
Total	6,243	6,028	5,915	5,665	5,193	4,543
Undergraduate	5,402	5,116	4,929	4,601	4,114	3,456
Graduate	841	911	986	1,063	1,079	1,087
Indiana						
Total	13,917	13,554	12,990	11,969	11,379	10,344
Undergraduate	12,399	12,002	114,229	10,438	9,912	8,891
Graduate	1,519	1,551	1,561	1,531	1,468	1,454
Kutztown						
Total	8,862	8,623	8,366	7,896	7,674	7,568
Undergraduate	8,431	8,186	7,885	7,377	7,124	7,030
Graduate	430	438	480	518	551	537
Lock Haven						
Total	5,121	4,775	4,488	4,128	3,735	3,225
Undergraduate	4,870	4,332	4,046	3,687	3,303	2,797
Graduate	436	443	442	441	432	428
Mansfield						
Total	2,698	2,515	2,241	2,090	1,846	1,546
Undergraduate	2,584	2,436	2,177	2,043	1,813	1,522
Graduate	114	78	64	48	33	24
Millersville						
Total	7,485	7,222	7,080	6,953	6,869	6,901
Undergraduate	6,889	6,631	6,481	6,364	6,229	6,200
Graduate	596	590	599	589	639	702
Shippensburg						
Total	6,884	6,618	6,431	6,332	5,868	5,681
Undergraduate	6,288	6,010	5,792	5,692	5,297	5,110
Graduate	596	609	639	641	571	571
Slippery Rock						
Total	8,541	8,680	8,752	9,040	9,102	8,985
Undergraduate	7,727	7,723	7,729	7,836	7,803	7,683
Graduate	814	957	1,023	1,204	1,299	1,302
West Chester						
Total	14,796	15,124	15,421	15,604	15,902	16,026
Undergraduate	13,336	13,558	13,801	13,848	14,023	14,042
Graduate	1,460	1,566	1,620	1,756	1,878	1,984

1. Data for each year represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24. In addition to master's level, graduate for Penn State, Pittsburgh, Temple, Bloomsburg, East Stroudsburg, Indiana, Slippery Rock, and West Chester includes first-professional (excluding medical schools) and/or doctor's levels.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
 TOTAL YEAR AND SUMMER 2013-14 to 2018-19
 (in thousands)

University	Total Year							Summer		Grand total	
	Lower division	Upper division	Total under-graduate	Master's	First Professional	Doctor's	Total Graduate	Grand Total	Total under-graduate		Total graduate
State-related											
Lincoln											
2013-14	35	11	46	8	na	na	8	54	a	1	1
2014-15	33	13	46	5	na	na	5	51	a	a	a
2015-16	36	12	48	5	na	na	5	53	a	a	1
2016-17	39	12	51	5	na	na	5	56	a	a	1
2017-18	44	13	57	6	na	na	6	63	a	1	1
2018-19	45	15	59	5	na	na	5	64	a	1	1
Penn State											
2013-14	1,233	1,068	2,301	91	16	93	200	2,501	142	20	162
2014-15	1,257	1,091	2,348	94	16	94	204	2,552	145	20	165
2015-16	1,240	1,136	2,376	98	17	93	208	2,584	153	20	173
2016-17	1,285	1,163	2,448	116	18	85	219	2,667	153	22	175
2017-18	1,273	1,147	2,420	124	18	89	230	2,651	164	28	192
2018-19	1,232	1,127	2,359	129	19	90	238	2,596	165	29	194
Pittsburgh											
2013-14	490	259	749	144	53	22	219	968	38	31	69
2014-15	492	265	757	143	52	22	217	974	39	29	68
2015-16	494	262	756	139	49	22	210	966	38	28	66
2016-17	494	269	763	135	45	21	202	965	38	27	65
2017-18	488	274	761	128	47	23	198	959	38	27	65
2018-19	484	276	761	131	47	23	201	962	38	26	65
Temple											
2013-14	365	461	826	74	72	25	171	997	46	22	68
2014-15	370	462	832	72	70	24	166	998	45	22	67
2015-16	383	466	849	79	59	24	162	1,011	48	23	71
2016-17	408	479	887	91	68	25	184	1,071	46	23	69
2017-18	408	493	902	87	56	23	175	1,077	40	21	61
2018-19	392	507	899	95	60	23	179	1,078	42	26	68

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
 TOTAL YEAR AND SUMMER 2013-14 to 2018-19
 (in thousands)

University	Total Year							Summer		Grand total	
	Lower division	Upper division	Total under-graduate	Master's	First Professional	Doctor's	Total Graduate	Grand Total	Total under-graduate		Total graduate
State-owned											
Bloomsburg											
2013-14	194	77	271	13	na	1	14	285	16	4	20
2014-15	192	76	268	12	na	1	13	281	15	5	20
2015-16	188	75	263	12	na	1	13	276	14	4	18
2016-17	183	77	260	12	na	2	14	274	14	3	17
2017-18	170	77	247	12	na	2	14	261	12	4	15
2018-19	161	74	236	12	na	2	14	249	11	4	15
California											
2013-14	102	81	183	43	na	na	43	226	11	13	24
2014-15	95	78	173	45	na	na	45	218	10	13	23
2015-16	87	76	163	48	na	na	48	211	10	14	24
2016-17	82	78	160	47	na	na	47	207	12	14	26
2017-18	79	74	153	44	na	na	44	198	11	13	24
2018-19	78	69	145	43	na	na	44	189	10	12	22
Cheyney											
2013-14	21	14	34	a	na	na	a	34	1	a	1
2014-15	20	11	31	a	na	na	a	31	1	a	1
2015-16	12	9	21	1	na	na	1	22	a	a	a
2016-17	13	9	22	1	na	na	1	23	1	a	1
2017-18	12	8	21	1	na	na	1	21	a	a	1
2018-19	8	5	14	a	na	na	a	14	a	a	a
Clarion											
2013-14	94	50	144	14	na	na	14	158	9	4	13
2014-15	84	46	130	12	na	na	12	142	8	3	11
2015-16	76	45	121	13	na	na	13	134	8	3	11
2016-17	75	45	121	14	na	na	14	135	7	3	10
2017-18	70	44	114	14	na	na	15	129	6	3	10
2018-19	61	41	102	15	na	na	15	118	6	3	10

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
 TOTAL YEAR AND SUMMER 2013-14 to 2018-19
 (in thousands)

University	Total Year							Summer		Grand total	
	Lower division	Upper division	Total under-graduate	Master's	First Professional	Doctor's	Total Graduate	Grand Total	Total under-graduate		Total graduate
East Stroudsburg											
2013-14	116	58	174	11	na	a	11	185	12	4	16
2014-15	113	57	170	11	na	a	11	181	11	a	11
2015-16	112	57	169	12	na	a	12	181	6	2	8
2016-17	112	53	165	11	na	1	11	176	6	2	9
2017-18	113	59	171	12	na	1	12	184	7	3	10
2018-19	114	56	170	14	na	1	14	185	6	3	9
Edinboro											
2013-14	99	64	163	20	na	na	20	183	7	5	12
2014-15	96	58	154	22	na	na	22	176	6	5	11
2015-16	94	54	148	24	na	na	24	172	6	6	12
2016-17	87	51	138	26	na	na	26	164	6	7	12
2017-18	73	49	123	25	na	na	26	149	5	7	16
2018-19	58	45	104	26	na	na	26	130	5	7	16
Indiana											
2013-14	252	121	373	25	na	15	40	413	23	9	32
2014-15	242	118	360	28	na	10	38	398	23	9	32
2015-16	229	114	343	29	na	8	37	380	22	10	32
2016-17	203	110	313	28	na	9	37	350	21	9	30
2017-18	194	103	297	28	na	8	35	332	19	10	29
2018-19	176	91	267	26	na	9	35	302	17	7	26
Kutztown											
2013-14	138	115	253	10	na	na	10	263	8	2	10
2014-15	131	114	245	11	na	na	11	256	8	2	10
2015-16	126	111	237	12	na	na	12	249	7	2	9
2016-17	117	104	221	12	na	na	12	234	7	2	9
2017-18	110	104	214	13	na	na	13	227	7	2	9
2018-19	106	104	211	14	na	na	13	224	7	2	9

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
 TOTAL YEAR AND SUMMER 2013-14 to 2018-19
 (in thousands)

University	Total Year							Summer		Grand total	
	Lower division	Upper division	Total under-graduate	Master's	First Professional	Doctor's	Total Graduate	Grand Total	Total under-graduate		Total graduate
Lock Haven											
2013-14	99	42	141	10	na	na	10	151	6	3	9
2014-15	90	40	130	11	na	na	11	141	7	3	10
2015-16	81	40	121	11	na	na	11	132	6	3	9
2016-17	74	37	110	11	na	na	11	122	6	3	9
2017-18	69	30	99	10	na	na	10	109	5	3	8
2018-19	57	27	84	10	na	na	10	94	4	4	8
Mansfield											
2013-14	45	33	78	3	na	na	3	81	4	a	4
2014-15	40	33	73	2	na	na	2	75	4	1	5
2015-16	35	31	66	2	na	na	2	68	3	a	3
2016-17	31	30	61	1	na	na	1	62	3	a	4
2017-18	28	26	54	1	na	na	1	55	3	a	3
2018-19	24	27	46	1	na	na	1	46	3	a	3
Millersville											
2013-14	126	81	207	14	na	na	14	221	11	4	15
2014-15	122	78	200	14	na	na	14	214	11	4	15
2015-16	118	77	195	14	na	na	14	209	12	4	16
2016-17	115	76	191	14	na	na	14	205	13	4	17
2017-18	114	74	187	15	na	na	15	202	13	4	17
2018-19	111	75	186	16	na	na	17	203	13	5	18
Shippensburg											
2013-14	128	61	189	14	na	na	14	203	8	3	11
2014-15	124	57	181	15	na	na	15	196	8	3	11
2015-16	119	55	174	15	na	na	15	189	8	3	11
2016-17	116	55	171	15	na	na	15	186	8	3	11
2017-18	106	53	159	14	na	na	14	173	8	3	11
2018-19	102	51	153	13	na	na	14	167	6	3	10

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
 TOTAL YEAR AND SUMMER 2013-14 to 2018-19
 (in thousands)

University	Total Year							Summer			
	Lower division	Upper division	Total under-graduate	Master's	First Professional	Doctor's	Total Graduate	Grand Total	Total under-graduate	Total graduate	Grand total
Slippery Rock											
2013-14	138	94	232	14	na	6	20	252	14	5	19
2014-15	139	93	232	17	na	6	23	255	14	5	19
2015-16	141	91	232	18	na	6	24	256	14	7	21
2016-17	143	92	235	22	na	7	29	264	15	8	22
2017-18	142	93	234	24	na	7	31	265	14	8	23
2018-19	139	92	230	23	na	8	31	262	14	8	22
West Chester											
2013-14	245	155	400	35	na	a	35	435	21	6	27
2014-15	248	159	407	37	na	a	37	444	21	6	27
2015-16	253	161	414	38	na	1	39	453	21	7	28
2016-17	251	164	415	40	na	2	42	458	19	7	26
2017-18	254	166	421	43	na	2	45	466	20	7	26
2018-19	256	165	421	45	na	2	48	469	19	7	26

1. Data for each year represent the summer term preceding the academic year plus the academic year. The first-professional levels excludes medical school data.
 a. Rounds to less than one thousand student credit hours.
 na. Not applicable.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Historical Table 3
DEGREES CONFERRED¹
2013-14 to 2018-19

University	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
State-related						
Lincoln						
Total	439	362	383	405	384	463
Bachelor's	279	263	286	279	259	358
Graduate	160	99	97	126	125	105
Penn State						
Total	19,685	19,485	19,900	20,576	21,446	20,963
Bachelor's	15,924	15,616	15,934	16,299	17,089	16,509
Graduate	3,761	3,869	3,966	4,277	4,357	4,454
Pittsburgh						
Total	8,741	9,033	8,972	9,157	9,048	8,940
Bachelor's	5,414	5,530	5,411	5,533	5,655	5,664
Graduate	3,327	3,503	3,561	3,624	3,393	3,276
Temple						
Total	8,623	8,642	8,760	9,103	9,718	10,029
Bachelor's	6,151	6,152	6,277	6,456	6,472	6,749
Graduate	2,472	2,490	2,483	2,647	3,246	3,280
State-owned						
Bloomsburg						
Total	2,175	2,234	1,981	2,090	2,076	2,139
Bachelor's	1,869	1,926	1,709	1,838	1,817	1,880
Graduate	306	308	272	252	259	298
California						
Total	2,488	2,363	2,332	2,633	2,344	2,289
Bachelor's	1,510	1,411	1,368	1,378	1,379	1,379
Graduate	978	952	964	1,099	965	910
Cheyney						
Total	163	149	167	194	175	120
Bachelor's	153	140	154	148	151	106
Graduate	10	9	13	46	24	14
Clarion						
Total	1,447	1,197	1,205	1,213	1,240	1,203
Bachelor's	1,050	878	913	873	882	839
Graduate	397	319	292	340	358	364
East Stroudsburg						
Total	1,497	1,534	1,523	1,515	1,487	1,497
Bachelor's	1,290	1,306	1,261	1,272	1,234	1,267
Graduate	207	228	262	243	253	230
Edinboro						
Total	1,576	1,433	1,359	1,378	1,285	1,291
Bachelor's	1,115	1,021	961	919	842	816
Graduate	461	412	398	459	443	475
Indiana						
Total	3,158	3,122	3,239	3,057	2,969	2,780
Bachelor's	2,412	2,566	2,443	2,270	2,221	2,037
Graduate	746	556	796	787	748	743
Kutztown						
Total	1,991	2,159	2,105	1,949	1,811	1,904
Bachelor's	1,750	1,906	1,850	1,733	1,530	1,631
Graduate	241	253	255	216	281	273
Lock Haven						
Total	1,046	1,050	1,077	1,059	970	797
Bachelor's	891	895	923	883	809	664
Graduate	155	155	154	176	161	133
Mansfield						
Total	616	620	540	497	521	383
Bachelor's	534	557	481	454	485	347
Graduate	82	63	59	43	36	36
Millersville						
Total	1,780	1,679	1,702	1,784	1,632	1,667
Bachelor's	1,535	1,429	1,453	1,498	1,367	1,377
Graduate	245	250	249	286	265	290
Shippensburg						
Total	1,720	1,592	1,573	1,666	1,554	1,571
Bachelor's	1,421	1,251	1,203	1,292	1,188	1,255
Graduate	299	341	370	374	366	316
Slippery Rock						
Total	2,043	2,090	2,093	2,190	2,243	2,262
Bachelor's	1,727	1,751	1,672	1,760	1,763	1,761
Graduate	316	339	421	430	480	501
West Chester						
Total	3,973	4,076	4,131	4,527	4,559	4,360
Bachelor's	3,232	3,383	3,407	3,730	3,671	3,398
Graduate	741	693	724	797	888	962

1. Data for each year represent the summer term preceding the academic year plus the academic year. Graduate include master's at all universities, first professional (excluding medical schools) at Penn State, Pittsburgh and Temple, and doctor's at Penn State, Pittsburgh, Temple, Bloomsburg, Indiana, Slippery Rock, and West Chester.

Source: Data provided by the individual universities, 2013 to 2019.

Historical Table 4

NUMBER AND AVERAGE WEEKLY STUDENT CONTACT HOURS OF FULL-TIME EMPLOYED FACULTY BY ACADEMIC LEVEL¹
FALL 2013 to FALL 2018

University	Full-time employed faculty ²					Undergraduate					Graduate								
	2013	2014	2015	2016	2017	2018	2013	2014	2015	2016	2017	2018	2013	2014	2015	2016	2017	2018	
State-related																			
Lincoln	94	82	98	96	100	101	10.3	9.0	10.2	10.6	11.3	9.6	1.2	1.4	1.3	1.0	0.5	0.5	
Penn State	3,900	4,030	4,119	4,276	4,246	4,377	10.2	10.1	9.8	9.6	9.7	9.6	2.8	2.8	2.8	2.8	2.8	2.9	
Pittsburgh	2,033	2,051	2,005	2,068	2,084	2,095	5.1	4.9	5.1	4.8	5.2	5.1	2.5	2.6	2.6	2.4	2.4	2.4	
Temple	1,343	1,327	1,342	1,478	1,401	1,349	5.5	5.2	5.1	5.2	5.3	5.4	3.5	2.6	2.6	2.5	2.5	2.5	
Total	7,370	7,490	7,564	7,918	7,831	7,922	7.9	7.7	7.7	7.6	7.7	7.7	2.8	2.7	2.7	2.6	2.6	2.7	
State-owned																			
Bloomsburg	445	441	435	408	413	433	11.1	11.1	11.6	11.6	11.2	11.5	1.0	1.0	1.1	1.1	1.0	0.9	
California	233	167	101	277	270	273	10.3	10.2	10.5	10.2	10.4	10.3	1.7	2.1	1.7	2.0	1.9	1.9	
Cheyney	57	55	40	45	46	36	10.2	8.8	9.2	8.8	8.8	10.1	0.5	0.2	0.7	0.6	0.5	a	
Clarion	328	211	235	198	198	232	9.9	9.6	9.2	9.9	10.0	9.8	1.2	1.5	1.4	2.1	1.6	1.8	
East Stroudsburg	280	163	310	289	377	236	16.1	10.4	12.1	11.5	9.1	13.0	1.6	1.6	1.6	2.0	1.4	2.1	
Edinboro	265	257	246	228	131	199	11.9	11.4	10.7	10.5	10.8	10.1	2.0	2.4	2.4	2.0	2.1	1.9	
Indiana	664	667	647	633	597	567	9.5	9.7	9.3	9.4	8.7	9.3	1.8	1.8	1.9	1.8	1.6	1.8	
Kutztown	437	418	415	419	412	404	9.9	10.8	9.9	9.1	8.7	8.6	0.7	0.8	0.8	0.7	0.9	0.8	
Lock Haven	251	229	232	219	174	209	10.4	10.1	10.0	10.5	10.2	9.7	0.6	0.7	0.8	0.8	0.9	0.9	
Mansfield	166	141	167	128	157	109	18.9	19.2	17.3	19.2	10.2	18.3	1.6	1.0	1.0	0.8	0.9	0.4	
Millersville	310	316	322	317	255	343	10.5	10.7	10.3	10.3	10.2	10.5	0.9	1.0	1.0	1.3	1.1	1.1	
Shippensburg	338	326	293	276	321	301	8.9	9.1	9.3	8.6	8.7	8.7	1.0	1.0	0.9	0.8	0.8	0.8	
Slippery Rock	376	354	371	379	355	381	11.4	11	10.6	11.2	10.1	9.7	0.9	1.0	1.2	1.6	1.7	1.4	
West Chester	600	621	650	671	599	650	10.6	10.7	10.7	10.7	10.5	10.3	1.8	1.8	2.0	2.1	2.0	2.2	
Total	4,750	4,366	4,086	4,487	3,927	4,157	11.0	10.7	10.6	10.5	10.8	10.2	1.3	1.4	1.4	1.5	1.5	1.4	
All Universities	11,978	12,120	11,856	11,700	12,516	12,079	9.1	8.7	8.7	8.6	8.3	8.6	2.2	2.2	2.2	2.2	2.2	2.3	

1. Averages calculated for the full-time employed faculty who reported complete workweeks of 100 hours or less for the fall term.

2. The number of full-time employed faculty represents those reported by each university for the fall term.

SOURCE: Data provided by the individual universities, 2013 to 2018.

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES
OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK 1
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE
(2013-14 to 2018-19)

University	FTE Instructional Faculty	Average Instructional Salaries					
		All Faculty	Professor	Associate Professor	Assistant Professor	Instructor	No Rank ²
State-related							
Lincoln							
2013-14	171	41	76	66	55	13	49
2014-15	112	57	69	63	56	20	49
2015-16	153	53	89	65	54	21	51
2016-17	155	48	87	69	59	20	53
2017-18	164	51	93	69	65	21	59
2018-19	175	50	97	75	66	19	58
Penn State							
2013-14	4,808	74	123	87	74	52	55
2014-15	4,907	76	127	88	74	53	56
2015-16	4,974	78	130	91	77	56	58
2016-17	4,977	80	133	92	78	56	60
2017-18	4,906	83	136	96	81	60	65
2018-19	5,048	84	139	99	84	61	66
Pittsburgh							
2013-14	2,112	65	116	75	61	47	50
2014-15	2,122	66	119	76	62	33	53
2015-16	2,188	65	119	78	63	33	53
2016-17	2,193	69	122	78	64	35	58
2017-18	2,213	66	129	78	66	36	51
2018-19	2,225	73	131	80	68	38	60
Temple							
2013-14	1,849	69	135	85	58	38	46
2014-15	1,857	60	129	81	45	32	28
2015-16	1,876	53	121	76	38	27	18
2016-17	1,920	47	121	70	29	22	13
2017-18	1,929	68	122	84	61	42	47
2018-19	1,970	68	122	84	61	44	40
State-owned							
Bloomsburg							
2013-14	477	70	98	79	62	46	na
2014-15	480	72	99	80	63	46	na
2015-16	481	72	99	78	62	46	na
2016-17	478	75	102	81	65	48	na
2017-18	479	75	104	82	65	49	na
2018-19	470	78	106	84	69	50	na

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES
 OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK 1
 2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE
 (2013-14 to 2018-19)

University	FTE Instructional Faculty	Average Instructional Salaries					
		All Faculty	Professor	Associate Professor	Assistant Professor	Instructor	No Rank ²
California							
2013-14	345	77	102	82	69	48	40
2014-15	362	80	107	84	68	48	87
2015-16	354	63	94	74	58	43	72
2016-17	347	77	103	80	66	43	69
2017-18	340	78	103	83	70	51	68
2018-19	353	74	99	78	67	51	58
Cheyney							
2013-14	250	21	26	19	18	20	22
2014-15	74	52	76	67	45	33	46
2015-16	59	59	88	71	51	36	na
2016-17	60	68	82	75	45	60	na
2017-18	67	72	89	91	68	42	na
2018-19	46	76	91	115	59	39	45
Clarion							
2013-14	287	77	102	80	71	52	na
2014-15	251	78	101	87	72	55	na
2015-16	239	79	105	82	66	49	na
2016-17	250	79	105	84	72	50	na
2017-18	246	77	104	82	70	50	na
2018-19	250	80	106	88	71	51	na
East Stroudsburg							
2013-14	300	77	106	79	73	37	na
2014-15	265	96	126	94	79	76	104
2015-16	325	76	99	84	62	46	na
2016-17	344	66	73	62	52	205	48
2017-18	437	61	84	64	48	38	5
2018-19	525	55	66	59	46	42	55
Edinboro							
2013-14	382	73	99	78	63	42	na
2014-15	364	78	105	87	67	45	47
2015-16	376	72	103	80	62	43	na
2016-17	357	78	114	86	70	44	na
2017-18	336	78	112	84	69	45	na
2018-19	318	81	114	88	71	47	na
Indiana							
2013-14	696	80	112	86	60	50	58
2014-15	695	76	104	85	62	47	47
2015-16	692	71	93	80	62	46	44
2016-17	637	76	96	84	65	47	46
2017-18	629	77	102	83	65	51	48
2018-19	624	79	100	81	62	48	50

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES
 OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK 1
 2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE
 (2013-14 to 2018-19)

University	FTE Instructional Faculty	Average Instructional Salaries					
		All Faculty	Professor	Associate Professor	Assistant Professor	Instructor	No Rank ²
Kutztown							
2013-14	457	70	44	58	75	94	na
2014-15	455	73	98	75	59	41	na
2015-16	455	71	95	75	57	45	46
2016-17	450	74	97	78	58	49	76
2017-18	441	74	95	80	59	47	72
2018-19	446	77	100	83	62	47	na
Lock Haven							
2013-14	248	79	98	81	66	47	na
2014-15	236	82	100	83	66	44	na
2015-16	230	82	100	81	66	47	na
2016-17	229	79	79	80	63	54	na
2017-18	221	83	100	84	64	53	na
2018-19	211	96	123	93	67	53	na
Mansfield							
2013-14	278	40	59	46	37	27	na
2014-15	272	32	43	35	30	25	62
2015-16	256	29	40	40	29	19	na
2016-17	244	32	44	37	27	21	17
2017-18	223	35	51	38	28	23	na
2018-19	215	41	53	44	35	33	na
Millersville							
2013-14	393	71	96	78	60	44	na
2014-15	397	74	100	80	63	45	na
2015-16	395	73	99	79	62	46	na
2016-17	404	75	101	82	64	46	na
2017-18	398	75	101	83	64	44	na
2018-19	403	77	104	84	66	46	na
Shippensburg							
2013-14	369	77	98	79	66	43	na
2014-15	359	80	103	85	70	46	na
2015-16	345	81	100	82	68	44	na
2016-17	352	83	104	85	70	46	na
2017-18	347	83	102	85	70	45	na
2018-19	347	83	102	85	70	45	na
Slippery Rock							
2013-14	394	78	100	77	72	55	na
2014-15	399	75	100	72	68	57	59
2015-16	400	73	96	72	77	33	38
2015-16	413	76	100	72	71	57	46
2017-18	415	74	100	74	67	55	97
2018-19	437	74	91	79	66	55	67

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES
OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK 1
2018-19, CHANGE FROM 2017-18 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE
(2013-14 to 2018-19)

University	FTE Instructional Faculty	Average Instructional Salaries					
		All Faculty	Professor	Associate Professor	Assistant Professor	Instructor	No Rank ²
West Chester							
2013-14	796	69	98	79	66	44	51
2014-15	821	65	91	72	60	45	24
2015-16	843	71	99	81	67	46	31
2016-17	861	66	89	72	60	45	32
2017-18	857	72	99	80	68	47	24
2017-18	857	74	101	80	69	48	4

1. Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective ranks by their total full-time equivalency in the instructional function. One full-time equivalent faculty represents one full-time workload for two terms (one academic year). The summer term is treated as one term or one-half of the academic year. Data for each year represent the summer term preceding the academic year plus the academic year.

2. The full-time equivalency of nonranked faculty members is based on the time spent in instruction by all nonranked personnel, including lecturers, administrators, librarians, research staff, graduate assistants and volunteers.

na. Not applicable

SOURCE: Data provided by the individual universities, 2013 to 2019.

Historical Table 6

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL¹
2013-14 to 2018-19

University	Lower division						Upper division						Total undergraduate						Master's						
	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	
State-related																									
Lincoln	\$3,137	\$3,360	\$3,743	\$3,242	\$3,193	\$3,185	\$5,775	\$4,131	\$6,508	\$6,035	\$6,224	\$6,242	\$3,781	\$3,582	\$4,434	\$3,908	\$3,877	\$3,943	\$3,763	\$4,266	\$5,091	\$4,042	\$4,227	\$4,864	
Penn State	3,694	3,796	3,952	3,756	3,811	4,099	4,233	4,325	4,395	4,530	4,669	4,892	3,944	4,042	4,163	4,124	4,217	4,478	6,517	6,510	6,591	6,412	6,246	6,750	
Pittsburgh	2,724	2,812	2,869	2,945	3,093	3,224	4,657	4,636	4,704	4,745	4,935	5,054	3,392	3,451	3,505	3,580	3,755	3,888	5,012	5,103	5,226	5,215	5,608	5,625	
Temple	2,791	2,438	2,131	2,131	2,735	2,877	3,864	3,278	2,889	1,849	3,640	3,779	3,390	2,905	2,547	2,523	3,230	3,386	5,680	5,211	4,228	3,522	4,859	4,977	
Total	3,316	3,239	3,257	3,130	3,408	3,623	4,250	4,049	4,026	4,032	4,407	4,585	3,744	3,611	3,615	3,548	3,873	4,077	6,178	6,054	5,969	5,535	5,841	6,090	
State-owned																									
Bloomsburg	2,455	2,598	2,632	2,701	2,859	2,938	5,252	5,420	5,725	5,974	6,066	6,606	3,252	3,400	3,517	3,673	3,857	4,094	6,913	7,148	6,979	7,065	7,548	8,315	
California	2,572	3,008	2,382	2,829	2,903	3,014	4,143	4,641	3,612	4,230	4,506	4,759	3,264	3,744	2,955	3,514	3,675	3,821	3,870	3,951	3,118	4,071	4,180	4,125	
Cheyney	4,201	2,975	3,862	3,932	5,064	5,898	4,832	5,069	5,612	6,695	8,179	10,035	4,451	3,707	4,628	5,062	6,284	7,594	8,935	7,191	9,113	9,450	16,484	24,214	
Clarion	3,291	3,242	3,344	3,471	3,564	4,035	5,261	5,161	5,091	5,126	5,021	5,991	3,973	3,920	3,993	4,091	4,129	4,821	5,466	5,400	5,007	5,466	5,236	5,366	
East Stroudsburg	2,343	2,542	2,502	2,883	2,784	2,719	5,345	6,220	6,130	6,978	6,204	7,237	3,338	3,769	3,731	4,203	3,955	4,204	7,667	9,053	7,333	9,108	8,440	8,206	
Edinboro	2,974	3,263	3,127	3,351	3,530	4,124	6,191	6,649	6,752	7,105	7,120	7,616	4,234	4,540	4,443	4,733	4,975	5,659	5,926	5,800	5,373	5,740	5,546	5,693	
Indiana	2,513	2,496	2,403	2,600	2,734	2,979	5,363	5,191	5,015	5,300	5,802	6,421	3,439	3,381	3,271	3,548	3,797	4,151	6,307	6,920	6,374	6,829	7,388	7,690	
Kutztown	2,751	2,942	2,944	3,289	3,305	3,496	4,493	4,718	4,703	5,103	5,078	5,471	3,541	3,769	3,769	4,143	4,165	4,472	4,943	5,112	4,982	5,130	5,201	5,539	
Lock Haven	3,488	3,714	3,923	4,049	4,570	5,708	4,780	4,920	5,005	5,304	6,128	8,073	3,871	4,085	4,279	4,464	5,046	6,466	3,425	3,848	3,317	3,873	4,008	5,235	
Mansfield	2,797	2,939	2,818	3,029	3,520	4,092	5,560	4,014	3,857	4,086	4,965	7,298	3,971	3,426	3,808	3,548	4,209	5,559	6,725	4,886	5,102	4,762	7,101	12,031	
Millersville	3,138	3,545	3,494	3,708	3,731	3,258	4,247	4,664	4,666	5,044	4,995	6,133	3,573	3,925	3,957	4,238	4,227	4,413	5,157	5,640	5,517	5,649	5,568	4,900	
Shippensburg	2,711	2,922	2,897	3,139	3,391	3,511	5,909	6,195	6,187	6,579	6,752	7,013	3,749	3,947	3,938	4,247	4,508	4,673	8,295	8,307	8,035	7,821	8,803	9,113	
Slippery Rock	2,660	2,475	2,385	2,453	2,385	2,585	4,923	4,929	4,738	4,968	4,610	4,869	3,576	3,461	3,309	3,435	3,265	3,496	4,556	4,130	4,039	3,896	4,440	4,523	
West Chester	2,562	2,439	2,685	2,483	2,707	2,643	4,749	4,471	4,929	4,528	4,847	5,067	3,410	3,232	3,556	3,292	3,553	3,592	6,568	6,059	6,604	5,928	6,177	6,270	
Total	2,747	2,811	2,787	2,934	3,058	3,170	5,036	5,082	5,055	5,292	5,421	5,998	3,589	3,651	3,634	3,830	3,966	4,262	5,683	5,710	5,417	5,648	5,889	6,021	
All universities	3,070	3,060	3,065	3,053	3,273	3,446	4,554	4,435	4,404	4,465	4,753	5,057	3,694	3,641	3,639	3,662	3,917	4,156	5,979	5,933	5,769	5,603	5,905	6,112	

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For instances where state universities did not report course individual instruction, one course(assigned) credit is attributed to every three student credit hours generated.

SOURCE: Data provided by the individual universities, 2013 to 2019

Historical Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER STUDENT CREDIT HOUR BY ACADEMIC DIVISION AND LEVEL¹
2013-14 to 2018-19

University	Lower division						Upper division						Total undergraduate						Masters							
	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19		
State-related																										
Lincoln	\$105	\$112	\$125	\$108	\$106	\$106	\$106	\$192	\$138	\$217	\$201	\$207	\$208	\$126	\$119	\$148	\$130	\$129	\$129	\$178	\$212	\$168	\$176	\$203		
Penn State	123	127	132	125	127	137	137	141	144	146	151	156	163	131	135	139	137	141	149	272	275	267	260	281		
Pittsburgh	91	94	96	98	103	107	107	155	155	157	158	165	168	113	115	117	119	125	130	209	213	217	234	234		
Temple	93	81	71	62	91	96	96	129	109	96	84	121	126	113	97	85	74	108	113	237	217	147	249	236		
Total	111	111	109	104	114	121	121	142	137	134	134	147	153	125	123	121	118	129	136	257	230	249	231	243	254	
State-owned																										
Bloomsburg	82	87	88	90	95	98	98	175	181	191	199	202	220	108	113	117	122	129	136	288	298	291	294	315	346	
California	86	100	79	94	96	100	100	138	155	120	141	150	159	109	125	98	117	123	127	161	165	130	170	174	172	
Cheyney	140	99	111	131	169	196	196	161	169	170	223	273	335	148	124	133	169	209	253	372	300	209	394	687	1,009	
Clarion	110	108	111	116	119	135	135	175	172	170	171	167	200	132	131	133	136	138	161	228	225	209	228	218	224	
East Stroudsburg	99	85	83	96	93	91	91	206	207	204	233	207	241	141	126	124	140	132	139	247	377	306	380	352	342	
Edinboro	85	109	104	112	118	137	137	199	222	225	237	237	254	122	151	148	158	164	189	358	242	224	239	231	237	
Indiana	84	83	80	87	91	99	99	179	173	167	177	193	214	115	113	109	118	127	138	263	288	266	285	308	320	
Kutztown	92	98	98	110	110	117	117	150	157	157	170	169	182	118	126	126	138	139	148	206	213	208	214	217	231	
Lock Haven	116	124	131	135	152	190	190	159	164	167	177	205	269	129	136	143	149	168	215	143	160	138	161	167	218	
Mansfield	93	98	94	101	117	136	136	185	134	129	136	166	243	132	114	110	118	140	185	280	204	213	198	296	501	
Millersville	105	115	116	124	124	109	109	142	155	156	168	167	204	119	131	132	141	141	147	215	235	230	235	232	204	
Shippensburg	90	97	97	105	113	117	117	197	207	206	219	225	234	125	132	131	142	150	156	346	346	335	326	367	380	
Slippery Rock	89	83	79	82	80	87	87	164	164	158	166	154	162	119	115	110	115	109	117	190	172	168	162	185	188	
West Chester	85	81	89	83	90	88	88	158	149	164	151	162	169	114	108	119	110	118	120	274	252	275	247	257	261	
Total	92	94	93	98	102	106	106	168	169	168	176	181	200	120	122	121	128	132	142	237	238	226	235	245	251	
All universities	102	103	102	102	109	115	115	152	148	147	149	158	169	123	122	121	122	131	138	249	233	240	233	246	255	

1. The average instructional faculty salary cost per student credit hour for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by the total student credit-hour production for that level. For instances where state universities did not report course individual instruction, one course (assigned) credit is attributed to every three student credit hours generated. Instructional faculty salary cost per student credit hour equals instructional faculty salary cost per FTE student divided by 30 for undergraduate students, and divided by 24 for graduate students (see Historical Table 6).

SOURCE: Data provided by the individual universities, 2013 to 2019.

Historical Table 8
AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL'
2013-14 to 2018-19

University	Lower division						Upper division						Total undergraduate						Masters							
	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19		
State-related																										
Lincoln	21	15	19	19	21	20	13	14	14	13	13	12	18	15	17	17	17	14	12	12	13	13	13	11	11	
Penn State	31	32	30	29	29	28	27	27	28	24	23	22	29	30	30	27	25	25	14	15	15	14	14	13	13	
Pittsburgh	30	30	29	29	29	28	24	24	23	24	24	24	28	27	27	27	27	26	17	17	17	16	16	16	16	
Temple	33	32	33	29	33	32	26	26	26	27	26	26	29	29	29	29	29	29	15	14	16	17	18	17	17	
Total	31	31	31	30	29	28	26	26	27	24	24	23	29	29	29	27	26	26	16	15	16	15	15	15	15	
State-owned																										
Bloomsburg	32	31	30	31	29	29	20	20	19	19	18	17	27	27	26	26	25	24	10	10	11	11	10	10	10	
California	38	35	33	33	32	30	26	24	24	24	22	20	31	29	28	28	26	24	22	22	21	19	19	18	18	
Cheyney	23	19	20	18	17	17	12	14	14	13	13	12	19	19	16	17	16	14	8	8	7	7	6	6	6	
Clarion	27	26	25	25	24	22	17	17	18	18	18	15	22	22	22	21	21	18	13	14	14	14	14	13	13	
East Stroudsburg	40	41	37	35	34	34	25	24	19	17	17	15	34	34	29	26	26	24	15	14	14	14	9	10	10	
Edinboro	29	28	27	28	26	23	20	20	19	19	19	18	25	25	24	24	23	20	17	19	19	20	20	19	19	
Indiana	33	32	32	31	30	28	20	20	19	19	18	17	27	27	26	26	25	23	12	11	11	11	11	11	11	
Kutztown	34	33	32	30	30	29	21	20	20	19	19	19	26	26	25	24	24	23	15	15	15	15	15	15	15	
Lock Haven	29	29	27	25	24	21	21	22	21	19	18	16	26	26	24	23	21	19	24	22	25	21	22	19	19	
Mansfield	28	27	25	27	24	21	19	20	18	19	17	15	23	23	21	22	20	18	10	12	10	13	9	8	8	
Millersville	28	27	27	26	26	26	21	20	20	19	19	19	25	24	24	23	23	23	14	13	14	13	14	15	15	
Shippensburg	30	30	31	29	27	27	21	21	21	17	18	19	21	26	27	24	23	23	9	10	11	10	9	9	9	
Slippery Rock	30	33	32	32	31	29	19	19	19	18	19	18	24	25	25	24	25	24	16	17	17	17	15	15	15	
West Chester	31	31	30	31	30	32	18	18	19	19	19	18	24	24	24	24	24	25	12	12	12	12	13	13	13	
Total	31	31	30	30	29	28	20	20	19	19	19	18	25	26	25	24	24	23	13	14	15	14	14	14	14	
All universities	31	31	30	30	29	28	23	24	24	22	22	21	27	27	27	26	25	25	15	15	15	15	15	15	15	

1. The average class size for each level is calculated by dividing total classroom student credit hours by total classroom course (assigned) credits.

SOURCE: Data provided by the individual universities, 2013 to 2019.

Historical Table 9
COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS¹
2013-14 to 2018-19
(in millions)

University	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
State-related						
Lincoln	\$10.8	\$13.2	\$14.1	\$14.4	\$14.4	\$14.9
Penn State	214.1	214.1	224.8	230.4	230.4	237.3
Pittsburgh	133.2	133.2	139.9	143.3	152.9	157.6
Temple	139.9	121.1	146.9	150.6	150.6	155.1
Total	498.1	481.6	525.7	538.8	548.3	564.9
State-owned						
Bloomsburg	33	33.0	34.6	36.2	36.2	37.5
California	29.8	29.8	30.8	31.5	32.5	33.4
Cheyney	13.1	13.0	13.1	12.9	12.6	13.2
Clarion	22.3	23.2	24.1	25.0	25.0	25.9
East Stroudsburg	21.2	22.1	24.1	26.1	27.0	28.5
Edinboro	25	25.7	26.6	26.2	26.7	28.0
Indiana	52.4	51.5	54.4	53.3	53.9	54.8
Kutztown	33.1	32.9	34.3	35.6	35.6	37.0
Lock Haven	20	21.2	23.4	24.6	25.0	25.2
Mansfield	16.7	16.6	16.8	16.3	16.8	17.7
Millersville	30.9	30.2	32.1	32.5	33.8	34.8
Shippensburg	28.2	28.4	28.3	29.7	29.9	30.7
Slippery Rock	32.6	32.6	34.8	36.4	37.8	38.9
West Chester	49.9	48.0	50.7	53.0	55.3	56.9
Total ²	407.9	408.1	428.1	439.3	448.0	462.6
All universities ²	906	889.8	953.8	978.1	996.3	1027.6

1. Instructional appropriations include educational and general appropriations. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.
2. Excludes amount of instructional appropriations allocated to Office of the Chancellor and the System Reserve of the Pennsylvania State System of Higher Education.

SOURCE: Instructional appropriations - Governor's Executive Budget, 2013-14 to 2018-19; data provided by the individual State-related universities and the Pennsylvania State System of Higher Education, 2013 to 2019. FTE students - data provided by the individual universities, 2013 to 2019.

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS
 BY ACADEMIC LEVEL AND RESIDENCE
 2013-14 to 2018-2019

University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
State-related				
Lincoln				
2013-14	9,804	15,084	11,602	19,132
2014-15	10,232	15,618	11,420	18,950
2015-16	10,878	16,398	11,420	18,950
2016-17	11,102	16,733	11,420	18,950
2017-18	11,379	17,151	11,615	19,145
2018-19	11,036	16,952	11,420	18,950
Penn State				
2013-14	16,992	29,566	19,172	32,148
2014-15	17,502	30,452	19,746	33,110
2015-16	17,514	31,346	20,270	34,084
2016-17	17,900	32,382	20,912	35,214
2017-18	18,436	33,664	21,752	36,606
2018-19	18,454	34,858	22,578	38,012
Pittsburgh				
2013-14	17,100	27,106	20,704	33,426
2014-15	17,772	28,168	21,542	34,760
2015-16	18,192	28,958	22,060	35,744
2016-17	18,618	29,758	22,578	36,734
2017-18	19,080	30,642	22,060	35,744
2018-19	19,080	32,052	23,696	39,586
Temple				
2013-14	14,096	24,122	14,100	19,464
2014-15	14,696	24,722	15,180	20,544
2015-16	15,188	25,494	16,144	21,832
2016-17	16,274	27,266	16,676	22,526
2017-18	16,658	28,418	17,054	23,048
2018-19	16,970	29,066	17,378	23,588
State-owned				
Bloomsburg				
2013-14	8,582	18,706	9,984	13,962
2014-15	8,914	19,364	11,250	15,790
2015-16	9,326	20,144	11,750	16,450
2016-17	10,154	21,246	14,165	19,973
2017-18	10,500	21,980	14,654	20,654
2018-19	10,958	22,782	15,266	21,458

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS
 BY ACADEMIC LEVEL AND RESIDENCE
 2013-14 to 2018-2019

University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
California				
2013-14	9,239	13,091	10,944	14,922
2014-15	9,556	13,550	11,255	15,341
2015-16	9,936	14,069	11,707	15,937
2016-17	10,339	14,673	15,508	21,316
2017-18	10,840	15,326	16,203	22,203
2018-19	11,108	15,726	16,672	22,864
Cheyney				
2013-14	8,806	13,302	8,720	12,698
2014-15	9,090	13,744	8,712	12,384
2015-16	9,344	14,162	8,982	12,798
2016-17	9,534	14,456	11,982	17,214
2017-18	10,236	15,348	13,998	19,998
2018-19	10,533	15,799	NA	NA
Clarion				
2013-14	9,404	13,237	15,079	20,383
2014-15	9,788	13,760	15,630	21,078
2015-16	10,190	14,660	12,222	16,452
2016-17	10,287	14,764	16,688	22,496
2017-18	10,890	15,636	17,258	23,258
2018-19	11,175	16,054	16,214	17,198
East Stroudsburg				
2013-14	8,991	19,115	10,170	14,148
2014-15	9,376	19,826	10,570	14,652
2015-16	9,684	20,502	10,922	15,152
2016-17	9,968	21,110	14,142	19,950
2017-18	10,098	21,778	14,808	20,804
2018-19	11,502	24,184	15,244	21,436
Edinboro				
2013-14	8,849	12,701	10,071	14,049
2014-15	9,256	13,249	10,417	14,503
2015-16	9,536	10,176	10,769	14,999
2016-17	10,074	10,640	11,184	15,540
2017-18	10,282	14,668	11,557	16,057
2018-19	10,574	14,622	16,328	22,520

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS
 BY ACADEMIC LEVEL AND RESIDENCE
 2013-14 to 2018-2019

University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
Indiana				
2013-14	9,080	20,216	10,222	14,200
2014-15	9,470	20,965	10,475	14,561
2015-16	9,936	21,835	11,174	15,404
2016-17	11,368	22,377	14,515	20,323
2017-18	12,119	17,271	16,073	22,073
2018-19	12,979	18,730	16,650	22,842
Kutztown				
2013-14	8,819	18,943	9,575	13,553
2014-15	9,099	19,549	9,800	13,886
2015-16	9,411	20,229	10,219	14,449
2016-17	9,618	20,710	10,489	14,845
2017-18	9,987	13,975	10,847	15,347
2018-19	10,802	22,626	14,634	20,826
Lock Haven				
2013-14	8,899	17,023	10,646	14,624
2014-15	9,276	17,726	10,966	15,052
2015-16	9,380	18,050	11,328	15,558
2016-17	10,229	19,321	14,900	20,708
2017-18	10,576	20,056	15,417	21,417
2018-19	10,878	20,702	15,896	22,088
Mansfield				
2013-14	9,192	19,316	9,792	13,770
2014-15	9,526	19,976	10,048	14,134
2015-16	9,806	20,624	10,504	14,734
2016-17	11,908	21,292	13,654	19,462
2017-18	12,316	22,008	14,230	20,230
2018-19	12,330	22,030	14,254	20,254
Millersville				
2013-14	8,866	18,990	10,191	14,130
2014-15	10,268	23,868	10,472	14,558
2015-16	10,918	20,336	10,868	15,098
2016-17	11,494	20,854	14,898	20,706
2017-18	11,858	21,560	15,402	21,402
2018-19	12,226	22,196	15,882	22,074

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS
 BY ACADEMIC LEVEL AND RESIDENCE
 2013-14 to 2018-2019

University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
Shippensburg				
2013-14	9,448	17,916	10,424	14,220
2014-15	9,774	18,520	10,566	14,652
2015-16	10,052	19,106	10,926	15,156
2016-17	11,452	19,542	14,976	20,784
2017-18	12,086	20,186	15,480	21,480
2018-19	12,718	20,760	15,960	22,152
Slippery Rock				
2013-14	9,027	12,529	10,852	14,830
2014-15	9,309	12,939	11,166	15,252
2015-16	9,645	13,175	11,575	15,373
2016-17	9,862	13,716	15,363	21,171
2017-18	10,205	14,193	15,907	21,907
2018-19	10,757	14,615	16,387	22,579
West Chester				
2013-14	8,850	18,974	10,090	14,068
2014-15	9,144	19,594	10,403	14,489
2015-16	9,462	20,280	10,772	15,002
2016-17	9,720	20,812	13,991	19,799
2017-18	10,111	21,591	15,121	21,121
2018-19	10,412	22,236	15,103	21,295

1. Excludes first-professional level.

SOURCE: Pennsylvania Department of Education, National Center for Education Statistics.

APPENDIX:

MODEL OF FTE SALARY COST DETERMINATION

Instructional faculty salary cost per student credit hour, for each academic level and each program area, can be expressed by the following model:

$$\begin{array}{rcccl}
 \text{FTE} & & \text{Number of FTE} & & \text{Average FTE instructional} \\
 \text{Instructional} & & \text{instructional faculty} & & \text{faculty salary} \\
 \text{faculty} & & \text{Number} & \text{Average} & \text{Average} & \text{Number} \\
 \text{salaries} & = & \text{of} & \text{course} & \text{class} & \text{of classes} \\
 \text{Student} & & \text{courses} & \text{(assigned)} & \text{(section)} & \text{(sections)} \\
 \text{credit hours} & & & \text{credit} & \text{size} & \text{Number} \\
 & & & \text{value} & & \text{of courses}
 \end{array}$$

The two terms on the right-hand side of this equation illustrate the two different kinds of factors which determine FTE instructional salary cost.

The components of the first term are approximately *constants or constant relationships*. In the short run, neither the number of faculty per course nor the number of faculty per average course (assigned) credit value can be readily varied to influence FTE instructional salary cost.

The second term contains *control variables*: average FTE instructional faculty salary, average class (section) size, and the number of classes (sections) per course. To at least some degree, each of these variables can be controlled by university administrators to affect FTE instructional salary cost. Adjustments in the number of classes (sections) per course are an alternative to permitting average class sizes to change with changes in enrollment.

Average instructional faculty salary cost per FTE student, or FTE instructional salary cost, equals the FTE instructional salary cost per student credit hour times 30 for undergraduate students, and times 24 for graduate students.