

JOINT STATE GOVERNMENT COMMISSION

General Assembly of the Commonwealth of Pennsylvania

INSTRUCTIONAL OUTPUT AND FACULTY SALARY COSTS OF THE STATE-RELATED UNIVERSITIES

*Staff Analysis of 2022-23
Data Reported Under the Public School Code Of 1949*

February 2024



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

SNYDER REPORT

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

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The report is also available at <http://jsg.legis.state.pa.us>

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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.

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 contained in a study report.

¹ Act of July 1, 1937 (P.L.2460, No.459); 46 P.S. §§ 65–69.

² Consensus does not necessarily reflect unanimity among the advisory committee members on each individual policy or legislative recommendation. At a minimum, it reflects 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 receives the financial benefit of such volunteerism, along with their shared 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 to construe or apply its provisions.³

Since its inception, the Commission has published over 450 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.



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February 2024

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To the Members of the General Assembly of Pennsylvania:

Pursuant to the Pennsylvania Public School Code of 1949, the Instructional Output and Faculty Salary Costs of the State-related Universities is 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.

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This is the fifty-first anniversary edition of the report.

Sincerely,

Glenn J. Pasewicz
Executive Director

Administrative Staff

Glenn J. Pasewicz
Executive Director
Yvonne M. Hursh
Counsel

51st Annual Report

This report summarizes the instructional outputs, instructional faculty salary costs, tuition, and Commonwealth instructional appropriations for Pennsylvania's State-related universities. Act 50 of 2020 eliminated the requirement for the PASSHE universities to report their data to the Commission. Consequently, these annual reports will no longer include information from PASSHE 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 non-salary expenditures, the report does not summarize total instructional costs for the universities. Data on tuition and Commonwealth instructional appropriations supplement the university data.

Data for 2022-23 and data trends back to 2017-18 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 UNIVERSITIES AND BRANCH CAMPUSES BY COUNTY

Lincoln (Chester)

Penn State University Park (Centre)

Branch Campuses

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)*

Branch Campuses

Bradford Campus (McKean)
Greensburg Campus (Westmoreland)
Johnstown Campus (Cambria)
Titusville Campus (Crawford)

Temple (Philadelphia)*

Branch Campuses

Ambler Campus (Montgomery)
Harrisburg Center (Dauphin)

* Medical School data not included in this report.

** Not included in this report.

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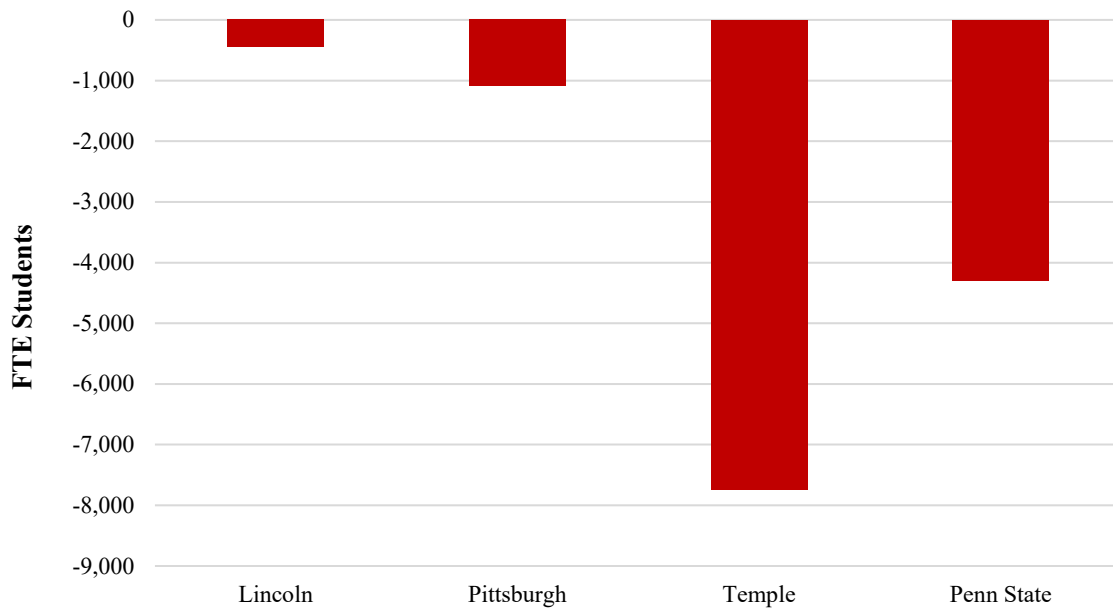
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**STATE-RELATED UNIVERSITIES
FTE STUDENT ENROLLMENT CHANGES
2017-2018 TO 2022-2023**

State-Related Universities



CURRENT YEAR DATA TABLES

TABLE 1

**Full-Time Equivalent Students by Academic Level¹ 2022-23,
Change From 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23**

State-related University	Total				Undergraduate				Graduate ²			
	FTE students	One-year change	Percent change		FTE students	One-year change	Percent change		FTE students	One-year change	Percent change	
			One-year	Five-year average			One- year	Five-year average			One-year	Five-year average
Lincoln	1,695	-62	-4%	-4%	1,598	-41	-3%	-4%	97	-21	-18%	-16%
Penn State	85,986	122	a	-1	75,037	291	a	-2	10,950	-168	-2	3
Pittsburgh	32,526	-210	-1	-1	24,260	-63	a	-1	8,266	-148	-2	a
Temple	29,641	-4,004	-12	-4	23,595	-2,984	-11	-5	6,046	-1020	-14	-4
Total	149,848	-4,154	-3	-2	124,489	-2,898	-2	-2	25,359	-1,356	-5	a

1. Data for each year represents 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.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 2018 to 2023.

TABLE 2

**Full-Time Equivalent Students by Academic Division and Level¹ 2022-23,
Change from 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23**

State-related University	Lower Division			Upper Division			Master's			First Professional ² & 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
Lincoln	1,187	-2%	-4%	411	-4%	a	97	-18%	-16%	-	-	-
Penn State	39,447	1	-1	35,590	a	-1%	6,068	-6	4	4,882	5%	2%
Pittsburgh	15,130	-2	-1	9,129	4	a	5,051	-5	-1	3,216	4	2
Temple	11,219	-5	-4	12,375	-16	-5	2,711	-22	-7	3,335	-7	a
Total	66,984	-1	-2	57,505	-4	-2	13,927	-9	-1	11,432	1	1

1. Data for each year represents 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, 2018 to 2023.

TABLE 3-A

**Lincoln University
Number and Percentage Distribution of Full-Time Equivalent
Students¹ by Academic Division and Level and CIP Classification
2022-23**

CIP Classification	Total	Percent of total	Undergraduate				Graduate	Percent of total
			Lower Division	Percent of total	Upper Division	Percent of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture & Related Services	--	--	--	--	--	--	--	--
Area, Ethnic, Cultural, & Gender Studies	49	3%	46	3%	3	1%	--	--
Business	148	9	38	2	85	21	25	26%
Communications	69	4	30	2	39	10	--	--
Computer & Information Sciences	53	3	38	2	15	4	--	--
Education	--	--	--	--	--	--	--	--
Engineering	51	3	1	--	--	--	50	51
Foreign Languages, Literature, & Linguistics	--	--	--	--	--	--	--	--
Health Professions	54	3	50	3	3	1	--	--
Family & Consumer Sci/Human Sciences	134	8	77	5	57	14	--	--
Legal Professions & Studies	--	--	--	--	--	--	--	--
English Language	--	--	--	--	--	--	--	--
Lib. Arts & Sci., Gen. Studies, & Humanities	153	9	137	9	17	4	--	--
Library Science	--	--	--	--	--	--	--	--
Biological & Biomedical Sciences	--	--	--	--	--	--	--	--
Mathematics & Statistics	144	9	129	8	15	4	--	--
Military Technologies	130	8	130	8	1	--	--	--
Multi/Interdisciplinary Studies	--	--	--	--	--	--	--	--
Parks, Rec., Leisure, & Fitness Studies	--	--	--	--	--	--	--	--
Personal & Social Development	--	--	--	--	--	--	--	--
Philosophy & Religion/Theology	--	--	--	--	--	--	--	--
Physical Sciences	86	5	79	5	7	2	--	--
Psychology	76	5	71	4	6	1	--	--
Security & Protective/Public Admin. Services	85	5	52	3	33	8	--	--
Social Sciences & History	165	10	75	5	69	17	21	21
Trade & Industrial	149	9	97	6	50	12	2	2
Visual & Performing Arts	--	--	--	--	--	--	--	--
Other	120	7	109	7	11	3	--	--
Total ²	1,666	100	1,578	100	411	100	97	100

1. Data represents 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, 2023; 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 3-B

**Pennsylvania State University
Number and Percentage Distribution of Full-Time Equivalent
Students¹ by Academic Division and Level and CIP Classification
2022-23**

CIP Classification	Total	Percent of total	Undergraduate				Graduate	Percent of total
			Lower Division	Percent of total	Upper Division	Percent of total		
Agriculture	1,483	2%	695	2%	637	2%	151	1%
Architecture & Related Services	619	1	248	1	301	1	71	1
Area, Ethnic, Cultural, & Gender Studies	927	1	724	2	165	a	39	a
Business	10,270	12	1,927	5	6,345	18	1,998	18
Communications	4,346	5	2,667	7	1,546	4	133	1
Computer & Information Sciences	4,732	6	1,761	4	2,314	7	657	6
Education	2,132	2	223	1	1,173	3	736	7
Engineering	8,192	10	1,883	5	4,391	12	1,918	18
Foreign Language, Lit., & Linguistics	3,065	4	1,395	4	1,555	4	115	1
Health Professions	2,902	3	614	2	1,713	5	576	5
Family & Consumer Sci/Human Sciences	1,966	2	1,121	3	736	2	109	1
Legal Professions & Studies	1,029	1	--	--	--	--	1,029	9
English Language	3,930	5	3,175	8	680	2	75	1
Lib. Arts & Sci., Gen. Studies, & Hum.	97	a	43	a	54	a	--	--
Library Science	--	--	--	--	--	--	--	--
Biological & Biomedical Sciences	5,014	6	2,499	6	2,027	6	487	4
Mathematics & Statistics	7,728	9	5,093	13	2,285	6	350	3
Military Technologies	84	a	44	a	40	a	--	--
Multi/Interdisciplinary Studies	1,191	1	362	1	321	1	508	5
Parks, Rec., Leisure, & Fitness Studies	2,099	2	546	1	1,500	4	54	a
Personal & Social Development	10	a	7	a	3	a	--	--
Philosophy & Religion/Theology	981	1	775	2	166	a	40	a
Physical Sciences	6,369	7	4,389	11	1,328	4	652	6
Psychology	3,300	4	1,597	4	1,381	4	322	3
Security & Protective/Public Admin. Services	1,585	2	769	2	611	2	205	2
Social Sciences & History	7,981	9	4,597	12	2,799	8	584	5
Trade & Industrial	8	a	--	--	8	a	--	--
Visual & Performing Arts	3,946	5	2,295	6	1,511	4	140	1
Other	--	--	--	--	--	--	--	--
Total²	85,986	100	39,447	100	35,590	100	10,950	100

1. Data represents 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, 2023; 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 3-C
University of Pittsburgh
Number and Percentage Distribution of Full-Time Equivalent Students¹
by Academic Division and Level and CIP Classification
2022-23

CIP Classification	Total	Percent of total	Undergraduate				Graduate	Percent of total
			Lower division	Percent of total	Upper division	Percent of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture & Related Services	--	--	--	--	--	--	--	--
Area, Ethnic, Cultural, & Gender Studies	274	1%	181	1%	89	1%	4	a
Business	2,450	8	541	4	1,319	14	590	7%
Communications	--	--	--	--	--	--	--	--
Computer & Information Sciences	1,265	4	597	4	396	4	271	3
Education	912	3	148	1	364	4	400	5
Engineering	2,305	7	730	5	1,033	11	541	7
Foreign Languages, Literature, & Linguistics	1,450	4	993	7	398	4	58	1
Health Professions	5,610	17	537	4	973	11	4,100	50
Family & Consumer Sci/Human Sciences	--	--	--	--	--	--	--	--
Legal Professions & Studies	457	1	--	--	3	a	453	5
English Language	2,628	8	2,037	13	546	6	45	1
Lib. Arts & Sci., Gen. Studies, & Humanities	--	--	--	--	--	--	--	--
Library Science	120	a	7	a	14	a	99	1
Biological & Biomedical Sciences	1,725	5	971	6	714	8	39	a
Mathematics & Statistics	1,800	6	1,254	8	462	5	84	1
Military Technologies	10	a	4	a	6	a	--	--
Multi/Interdisciplinary Studies	1,644	5	793	5	464	5	388	5
Parks, Recreation, Leisure, & Fitness Studies	--	--	--	--	--	--	--	--
Personal & Social Development	--	--	--	--	--	--	--	--
Philosophy & Religion/Theology	483	1	296	2	163	2	24	a
Physical Sciences	2,618	8	2,123	14	323	4	172	2
Psychology	1,778	5	1,146	8	449	5	183	2
Security & Protective/Public Admin. Services	1,094	3	97	1	338	4	659	8
Social Sciences & History	2,809	9	1,851	12	838	9	120	1
Trade & Industrial	--	--	--	--	--	--	--	--
Visual & Performing Arts	1,097	3	823	5	238	3	36	a
Other	--	--	--	--	--	--	--	--
Total ²	32,526	100	15,130	100	9,129	100	8,266	100

1. Data represents 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, 2023; 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 3-D
Temple University
Number and Percentage Distribution of Full-Time Equivalent Students¹
by Academic Division and Level and CIP Classification
2022-23

CIP Classification	Total	Percent of total	Undergraduate				Graduate	Percent of total
			Lower division	Percent of total	Upper division	Percent of total		
Agriculture	--	--	--	--	--	--	--	--
Agriculture	195	1%	76	1%	81	1%	39	1%
Architecture & Related Services	350	1	154	1	175	1	21	35
Area, Ethnic, Cultural, & Gender Studies	4,732	16	1,481	13	2,449	20	802	13
Business	1,851	6	693	6	1,059	9	100	2
Communications	760	3	250	2	437	4	73	1
Computer & Information Sciences	1,307	4	423	4	512	4	371	6
Education	998	3	360	3	584	5	54	1
Engineering	958	3	518	5	427	3	13	a
Foreign Languages, Literature, & Linguistics	2,984	10	147	1	353	3	2,484	41
Health Professions	--	--	--	--	--	--	--	--
Family & Consumer Sci/Human Sciences	944	3	24	a	29	a	891	15
Legal Professions & Studies	1,199	4	896	8	276	2	27	a
English Language	1,156	4	757	7	388	3	11	a
Lib. Arts & Sci., Gen. Studies, & Humanities	--	--	--	--	--	--	--	--
Library Science	855	3	328	3	450	4	78	1
Biological & Biomedical Sciences	1,233	4	928	8	285	2	20	a
Mathematics & Statistics	--	--	--	--	--	--	--	--
Military Technologies	35	a	26	a	9	a	--	--
Multi/Interdisciplinary Studies	1,234	4	392	3	734	6	108	2
Parks, Rec., Leisure, & Fitness Studies	--	--	--	--	--	--	--	--
Personal & Social Development	425	1	177	2	235	2	14	a
Philosophy & Religion/Theology	1,390	5	631	6	666	5	94	2
Physical Sciences	1,688	6	663	6	833	7	192	3
Psychology	859	3	185	2	346	3	328	5
Security & Protective/Public Admin. Services	10	8	1,185	11	1,071	9	128	2
Social Sciences & History	--	--	--	--	--	--	--	--
Trade & Industrial	2,105	7	927	8	978	8	199	3
Visual & Performing Arts	--	--	--	--	--	--	--	--
Other								
Total²	29,641	100	11,219	100	12,375	100	6,046	100

1. Data represents 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, 2023; 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 2022-23,
Change from 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23**

State-related University	Total				Undergraduate				Graduate ²			
	Degrees	One-year change	Percent change		Degrees	One-year change	Percent change		Degrees	One-year change	Percent change	
			One-year	Five-year average			One-year	Five-year average			One-year	Five-year average
Lincoln	359	-103	-22%	-2%	307	-70	-19%	3%	52	-33	-38%	-15%
Penn State	20,709	188	1	-1	15,889	251	2	-1	4,820	-63	-1	2
Pittsburgh	9,134	733	9	a	6,146	561	10	2	2,988	172	6	-2
Temple	8,551	-352	-4	-2	5,846	-375	-6	-2	2,705	23	1	-4
Total	38,753	466	1	-1	28,188	367	1	-1	10,565	99	1	-1

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.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 2018 to 2023.

TABLE 5

**Number and Workweeks of Full-Time Employed Faculty
by Type of Activity Fall 2022, and Percentage Change from Fall 2021**

State-related University	Average weekly hours ²										Total work-week	Percent change	
	Student contact					Instructional support ³	Percent change	Research	Percent change	Other university service ⁴			Percent change
	Full-time employed faculty ¹	Under graduate	Percent change	Graduate	Percent change								
Lincoln	107	8.5	-4%	0.6	-3%	17.7	-4%	9.2	-7%	14.1	4%	50.1	-3%
Penn State	3,898	9.5	-3	2.5	-7	14.6	-1.0	14.4	2	8.4	2	49.4	a
Pittsburgh	2,186	4.6	-1	2.3	a	13.1	-12	19.8	-3	9.6	-1	49.4	-5
Temple	1,078	5.3	a	2.6	a	17.4	1	12.6	-5	10.1	2	48.0	-1
Total	7,269	7.4	-1	2.4	-3	14.6	-4	15.7	-1	9.1	1	49.2	-2

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, 2022 to 2023.

TABLE 6

**Number and Average Instructional Salaries of Full-Time Equivalent Instructional Faculty
and Percentage Distribution by Rank¹
2022-23
(dollars in thousands)**

State-related University	FTE Instructional faculty		Average Instructional salary		Professor		Associate professor		Assistant professor		Instructor		No rank ²	
	Number	Percent Change	Amount	Percent Change	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
		2021-22 to 2022-23		2021-22 to 2022-23										
Lincoln	171	-5%	\$52,058	1%	\$86,328	17%	\$70,544	26%	\$68,421	37%	\$18,707	13%	\$59,356	6%
Penn State	4,581	10	87,323	1	153,030	30	102,649	18	91,663	16	64,507	25	51,749	11
Pittsburgh	2,547	9	68,849	-1	114,994	26	85,677	22	69,675	22	35,278	7	71,157	23
Temple	1,630	-13	75,191	4	128,418	29	90,959	29	69,492	20	64,875	15	24,010	6
Total	8,930	4	80,163	1	137,463	30	95,593	22	71,372	15	58,469	19	53,085	14

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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, 2022 to 2023.

TABLE 7

**Average Instructional Faculty Salary Cost Per Full-Time Equivalent Student by Academic Division and Level¹ 2022-23,
Change from 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23**

State-related University	Undergraduate							Master's				
	Lower Division	Percent change		Upper Division	Percent change		Total undergraduate	Percent change		Total master's	Percent change	
		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average
Lincoln	\$4,419	1%	7%	\$6,867	2%	3%	\$5,049	1%	5%	\$8,652	-5%	16%
Penn State	3,938	10	1	4,835	13	1	4,364	12	1	6,493	10	1
Pittsburgh	3,417	3	2	6,031	11	4	4,401	8	3	7,013	13	5
Temple	3,275	3	4	4,358	2	4	3,843	1	4	6,213	5	5
Total	3,717	7	2	4,933	10	2	4,279	9	2	6,660	11	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.
a. Rounds to less than 1 percent.
SOURCE: Data provided by the individual universities, 2018 to 2023.

TABLE 8A
Lincoln University
Average Instructional Faculty Salary Cost Per Full-Time Equivalent Student¹
by Academic Division and Level and CIP Classification
2022-23

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	--	--	--	--	--	--
Architecture & Related Services	--	--	--	--	--	--
Area, Ethnic, Cultural, & Gender Studies	\$2,342	\$11,705	\$2,954	--	--	--
Business	3,101	4,406	3,999	\$7,677	--	--
Communications	5,400	6,710	6,147	--	--	--
Computer & Information Sciences	5,538	7,957	6,236	--	--	--
Education	13,705	--	13,705	10,032	--	--
Engineering	--	--	--	--	--	--
Foreign Languages, Literature, & Linguistics	2,490	6,867	2,760	--	--	--
Health Professions	5,688	9,907	7,482	--	--	--
Family & Consumer Sciences/Human Sciences	--	--	--	--	--	--
Legal Professions & Studies	--	--	--	--	--	--
English Language	4,564	8,034	4,946	--	--	--
Lib. Arts & Sciences, Gen. Studies & Humanities	--	--	--	--	--	--
Library Science	--	--	--	--	--	--
Biological & Biomedical Sciences	4,233	15,519	5,444	--	--	--
Mathematics & Statistics	4,909	58,919	5,157	--	--	--
Military Technologies	--	--	--	--	--	--
Multi/Interdisciplinary Studies	--	--	--	--	--	--
Parks, Rec., Leisure, & Fitness Studies	--	--	--	--	--	--
Personal & Social Development	--	--	--	--	--	--
Philosophy & Religion/Theology	2,794	3,595	2,860	--	--	--
Physical Sciences	9,038	25,913	10,276	--	--	--
Psychology	2,853	5,035	3,701	--	--	--
Security & Protective/Public Admin. Services	2,719	4,174	3,414	3,552	--	--
Social Sciences & History	4,237	6,404	4,971	4,436	--	--
Trade & Industrial	--	--	--	--	--	--
Visual & Performing Arts	5,336	13,810	6,111	--	--	--
Other	--	--	--	--	--	--
Total	4,529	6,867	5,142	8,652	--	--

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, 2023; 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
2022-23**

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional ²	Doctor's
Agriculture	\$3,498	\$5,033	\$4,232	\$13,216	--	\$7,834
Architecture & Related Services	4,214	6,085	5,240	16,106	--	7,974
Area, Ethnic, Cultural, & Gender Studies	4,466	9,315	5,364	13,602	--	10,637
Business	4,187	5,662	5,319	5,339	--	11,350
Communications	3,781	4,764	4,142	7,333	--	3,234
Computer & Information Sciences	4,316	4,865	4,628	4,148	--	1,833
Education	5,970	4,923	5,090	5,448	--	6,736
Engineering	4,997	5,846	5,591	8,473	--	5,960
Foreign Languages, Literature, & Linguistics	4,021	4,742	4,401	5,666	--	4,428
Health Professions	4,248	5,232	4,972	11,004	--	8,706
Family & Consumer Sciences/Human Sciences	2,445	5,001	3,458	9,929	--	6,344
Legal Professions & Studies	--	--	--	3,393	\$7,168	64,534
English Language	4,099	5,851	4,408	6,048	--	2,429
Lib. Arts & Sci., Gen. Studies & Humanities	4,850	5,133	5,008	--	--	--
Library Science	--	--	--	--	--	--
Biological & Biomedical Sciences	2,524	3,549	2,983	8,676	--	7,761
Mathematics & Statistics	3,284	3,135	3,238	3,058	--	4,203
Military Technologies	--	--	--	--	--	--
Multi/Interdisciplinary Studies	5,979	6,666	6,302	7,599	--	9,735
Parks, Rec., Leisure, & Fitness Studies	4,490	3,797	3,982	13,874	--	6,608
Personal & Social Development	8,681	11,591	9,525	63,763	--	--
Philosophy & Religion/Theology	4,312	6,153	4,637	3,801	--	3,143
Physical Sciences	4,401	4,019	4,312	11,336	--	5,927
Psychology	2,757	4,794	3,702	7,887	--	9,726
Security & Protective/Public Admin. Services	4,254	5,029	4,597	4,916	--	8,101
Social Sciences & History	3,064	5,172	3,862	10,188	--	8,338
Trade & Industrial	--	24,333	24,333	--	--	--
Visual & Performing Arts	--	--	--	--	--	--
Other	--	--	--	--	--	--
Total	3,749	4,616	4,160	6,244	7,168	6,307

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, 2023; 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
2022-23**

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional ²	Doctor's
Agriculture	--	--	--	--	--	--
Architecture & Related Services	--	--	--	--	--	--
Area, Ethnic, Cultural, & Gender Studies	\$4,442	\$1,393	\$3,434	\$8,473	--	--
Business	4,514	4,439	4,461	8,360	\$27,659	\$31,641
Communications	--	--	--	--	--	--
Computer & Information Sciences	3,294	3,515	3,382	11,939	--	57,770
Education	5,155	5,327	5,277	7,395	--	15,774
Engineering	3,115	3,577	3,386	13,369	--	36,259
Foreign Languages, Literature, & Linguistics	5,569	2,254	4,621	15,380	--	50,378
Health Professions	3,796	10,761	8,284	5,223	1,974	14,248
Family & Consumer Sciences/Human Sciences	--	--	--	--	--	--
Legal Professions & Studies	11,259	106,811	96,753	11,631	6,603	108,091
English Language	4,331	3,109	4,073	12,289	--	13,614
Lib. Arts & Sciences, Gen. Studies & Humanities	--	--	--	--	--	--
Library Science	3,163	43,542	29,555	7,569	--	44,286
Biological & Biomedical Sciences	3,953	3,376	3,708	11,787	--	40,467
Mathematics & Statistics	4,167	2,022	3,590	23,576	--	13,275
Military Technologies	--	--	--	--	--	--
Multi/Interdisciplinary Studies	2,924	5,152	3,746	4,961	2,055	17,156
Parks, Rec., Leisure, & Fitness Studies	--	--	--	--	--	--
Personal & Social Development	--	--	--	--	--	--
Philosophy & Religion/Theology	6,114	2,416	4,802	20,506	--	--
Physical Sciences	3,959	5,091	4,108	10,978	--	26,492
Psychology	2,333	4,169	2,850	8,074	6,530	23,026
Security & Protective/Public Admin. Services	3,516	8,589	7,459	4,676	10,415	9,659
Social Sciences & History	3,532	2,754	3,290	31,046	--	18,224
Trade & Industrial	--	--	--	--	--	--
Visual & Performing Arts	4,550	3,701	4,359	31,190	--	41,847
Other	--	--	--	--	--	--
Total	3,741	4,783	4,133	7,677	2,831	24,278

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, 2023; 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
2022-23**

CIP Classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional ²	Doctor's
Agriculture	--	--	--	--	--	--
Architecture & Related Services	\$2,852	\$5,513	\$4,221	--	--	--
Area, Ethnic, Cultural, & Gender Studies	2,039	3,052	2,576	\$6,402	--	--
Business	2,884	4,373	3,812	9,013	--	\$8,351
Communications	2,970	5,050	4,227	5,793	\$3,294	22,165
Computer & Information Sciences	3,312	5,169	4,493	7,675	--	19,132
Education	3,285	4,390	3,890	10,456	--	26,963
Engineering	4,402	5,740	5,230	5,940	--	8,667
Foreign Languages, Literature, & Linguistics	2,556	3,498	2,982	16,321	--	30,694
Health Professions	3,956	5,745	5,219	5,945	--	6,408
Family & Consumer Sciences/Human Sciences	--	--	--	8,873	1,389	5,691
Legal Professions & Studies	6,433	10,116	8,432	--	--	--
English Language	2,795	2,857	2,809	7,270	9,647	6,664
Lib. Arts & Sciences, Gen. Studies & Humanities	2,503	2,795	2,602	6,330	--	6,162
Library Science	--	--	--	7,848	--	7,374
Biological & Biomedical Sciences	2,199	4,304	3,417	--	--	--
Mathematics & Statistics	2,392	3,172	2,575	7,901	--	42,860
Military Technologies	--	--	--	11,019	--	25,679
Multi/Interdisciplinary Studies	1,469	3,422	1,974	--	--	--
Parks, Rec., Leisure, & Fitness Studies	2,830	4,489	3,912	1,939	--	--
Personal & Social Development	--	--	--	8,713	--	12,236
Philosophy & Religion/Theology	2,806	3,336	3,108	--	--	--
Physical Sciences	2,120	3,121	2,634	9,479	--	15,169
Psychology	2,551	3,958	3,335	8,694	1,625	20,424
Security & Protective/Public Admin. Services	2,568	3,807	3,376	5,955	--	15,479
Social Sciences & History	2,489	3,636	3,034	4,009	1,330	10,040
Trade & Industrial	--	--	--	5,905	1,529	9,003
Visual & Performing Arts	3,559	4,654	4,121	9,578	--	18,435
Other	--	--	--	--	--	--
Total	3,275	4,358	3,843	6,213	2,532	10,630

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, 2023; 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 2022-23, Change From 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23

State-related University	Undergraduate											
	Lower division			Upper division			Total undergraduate			Master's		
	Class size	Percent change		Class size	Percent change		Class size	Percent change		Class size	Percent change	
		One-year	Five-year average		One-year	Five- year average		One-year	Five-year average		One-year	Five-year average
Lincoln	18	a	-4%	13	a	a	16	a	-3%	7	a	-11%
Penn State	27	a	-1	21	a	-1	24	a	-2	14	a	-1
Pittsburgh	30	a	2	22	a	a	27	a	1	15	a	a
Temple	30	a	-2	24	a	-2	27	a	-2	15	a	-3
Average	28	a	-1	22	a	-1	25	a	-1	14	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, 2018 to 2023.

TABLE 10

**Academic Year Tuition and Required Fees for Full-Time Students
by Academic Level and Residence 2021-22, Change from 2020-21 and Five-Year Average Annual Rate of Change
2016-17 to 2021-22**

State-related University	Undergraduate						Graduate ¹					
	In-State			Out-of-State			In-State			Out-of-State		
	Tuition & required fees	Percent change		Tuition & required fees	Percent change		Tuition & required fees	Percent change		Tuition & required fees	Percentage change	
		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average
Lincoln	\$11,910	3%	1%	\$18,456	3%	1%	\$11,274	a	-1%	\$18,942	a	a
Penn State ²	19,835	5	1	38,651	6	3	25,015	5%	3	42,151	6%	3%
Pittsburgh ²	21,080	4	2	37,320	5	4	26,142	4	3	43,504	4	4
Temple	21,135	22	5	35,608	16	5	21,455	17	5	27,596	11	4
Average	18,490	8	2	32,509	8	3	20,972	7	3	33,048	5	3

1. Excludes first-professional level.

2. Main campus data only.

a. Rounds to less than 1 percent.

na. Not applicable.

TABLE 11

**Tuition and Fee Revenues Related to Full-Time Equivalent Students¹
2022-23, Change from 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23**

State-related University	Total tuition & fee revenues			Tuition & fee revenues per FTE student			
	Amount (000s)	Percent change		Amount	One-Year change	Percent change	
		One-year	Five-year average			One-year	Five-year average
Lincoln	\$25,543	-2%	-3%	\$15,070	293	2%	2%
Penn State	2,056,086	6	2	23,912	1,290	6	3
Pittsburgh	913,430	6	4	28,083	1,643	6	4
Temple	912,760	-2	-1	30,794	3,116	11	4
Total	3,765,138	2	1	24,449	877	4	3

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 and FTE Students data provided by the individual State-related universities 2017 to 2023.

TABLE 12

**Commonwealth Instructional Appropriations Related to Full-Time Equivalent Students¹ 2022-23,
Change from 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2021-22**

State-related 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
Lincoln	\$15,166	0%	1%	\$8,947	317	4%	6%
Penn State	242,096	0	a	2,816	-4	a	1
Pittsburgh	175,484	0	2	5,395	34	1	3
Temple	158,206	0	a	5,337	635	14	5
Total	590,952	0	2	3,944	106	3	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.

a. Rounds to less than 1 percent.

SOURCE: Instructional appropriations - Governor's Executive Budget, 2016-17 to 2021-22; data provided by the individual State-related universities. FTE students- data provided by the individual universities 2016 to 2022.

TABLE 13

**Tuition and Fee Revenues, Commonwealth Instructional Appropriations and Student Aid
Related to Full-Time Equivalent Students 2022-23,
Change from 2021-22 and Five-Year Average Annual Rate of Change
2017-18 to 2022-23**

State-related University	Per FTE student			Ratio of instructional appropriations to total instructional revenues		
	Tuition & Fee Revenues	Instructional Appropriations	Total Instructional Revenues	Percent	Percentage change	
					One-year	Five-year average
Lincoln	\$15,070	\$8,947	\$24,017	37%	1%	3%
Penn State	23,912	2,816	26,727	11	-5	a
Pittsburgh	28,083	5,395	33,478	16	-4	-1
Temple	30,794	5,337	36,132	15	2	2
Average	26,079	3,944	30,022	13	-3	-1

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-related data provided by 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
2017-18 to 2022-23**

State-related University	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Lincoln						
Total	2,141	2,185	2,047	1,852	1,757	1,695
Undergraduate	1,912	1,973	1,878	1,713	1,639	1,598
Graduate	230	212	169	139	118	97
Penn State						
Total	90,283	88,526	88,127	87,059	85,864	85,986
Undergraduate	80,683	78,627	77,974	76,222	74,746	75,037
Graduate	9,600	9,899	10,153	10,837	11,118	10,950
Pittsburgh						
Total	33,617	33,737	32,790	32,461	32,736	32,526
Undergraduate	25,377	25,352	24,442	24,255	24,322	24,260
Graduate	8,240	8,385	8,348	8,206	8,414	8,266
Temple						
Total	37,374	37,406	36,659	35,043	33,645	29,641
Undergraduate	30,066	29,961	29,352	27,816	26,579	23,595
Graduate	7,308	7,445	7,307	7,228	7,065	6,046

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, includes first-professional (excluding medical schools) and/or doctor's levels.

SOURCE: Data provided by the individual universities, 2018 to 2023.

HISTORICAL TABLE 2

Student Credit Hours by Academic Division and Level¹ Total Year and Summer 2017-18 to 2022-23 (in thousands)

State-related 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
Lincoln											
2017-18	39	12	51	5	na	na	5	56	a	a	1
2018-19	44	13	57	6	na	na	6	63	a	1	1
2019-20	45	15	59	5	na	na	5	64	a	1	1
2020-21	40	16	56	4	na	na	4	60	a	1	1
2021-22	36	15	51	3	na	na	3	55	1	1	2
2022-23	36	12	48	2	na	na	2	50	2	a	2
Penn State											
2017-18	1,285	1,163	2,448	116	18	85	219	2,667	153	22	175
2018-19	1,273	1,147	2,420	124	18	89	230	2,651	164	28	192
2019-20	1,232	1,127	2,359	129	19	90	238	2,596	165	29	194
2020-21	1,195	1,144	2,339	132	18	93	244	2,583	159	32	191
2021-22	1,170	1,116	2,287	151	19	90	260	2,547	171	32	203
2022-23	1,183	1,068	2,251	146	21	97	263	2,514	156	32	188
Pittsburgh											
2017-18	494	269	763	135	45	21	202	965	38	27	65
2018-19	488	274	761	128	47	23	198	959	38	27	65
2019-20	484	276	761	131	47	23	201	962	38	26	65
2020-21	460	273	733	128	47	26	200	934	39	26	65
2021-22	465	263	728	123	47	27	197	925	39	25	64
2022-23	454	274	728	121	47	30	198	926	32	26	59
Temple											
2017-18	408	479	887	91	68	25	184	1,071	46	23	69
2018-19	408	493	902	87	56	23	175	1,077	40	21	61
2019-20	392	507	899	95	60	23	179	1,078	42	26	68
2020-21	385	496	881	88	63	25	175	1,056	40	26	66
2021-22	354	481	834	87	62	24	173	1,056	42	21	63
2022-23	337	371	708	65	57	22	145	853	35	23	58

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, 2018 to 2023.

HISTORICAL TABLE 3

**Degrees Conferred¹
2017-18 to 2022-23**

State-related University	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Lincoln						
Total	384	463	454	518	462	359
Bachelor's	259	358	350	446	377	307
Graduate	125	105	104	72	85	52
Penn State						
Total	21,446	20,963	22,067	21,145	20,521	20,709
Bachelor's	17,089	16,509	17,461	16,684	15,638	15,889
Graduate	4,357	4,454	4,606	4,461	4,883	4,820
	21,446	20,963	22,067	21,145	20,521	20,709
Pittsburgh						
Total	9,048	8,940	8,851	8,613	8,401	9,134
Bachelor's	5,655	5,664	5,762	5,724	5,585	6,146
Graduate	3,393	3,276	3,089	2,889	2,816	2,988
Temple						
Total	9,718	10,029	10,128	9,410	8,903	8,551
Bachelor's	6,472	6,749	7,095	6,561	6,221	5,846
Graduate	3,246	3,280	3,033	2,849	2,682	2,705

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

SOURCE: Data provided by the individual universities, 2018 to 2023.

HISTORICAL TABLE 4

**Number and Average Weekly Student Contact Hours of Full-Time Employed Faculty
by Academic Level¹
Fall 2017 to Fall 2022**

State-related University	Full-time employee						Undergraduate Average weekly student contact hours						Graduate Average weekly student contact hours					
	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022
	Lincoln	100	101	105	107	109	107	11.3	9.6	8.8	9.0	8.9	8.5	0.5	0.5	0.5	0.7	0.6
Penn State	4,246	4,377	4,439	4,302	3,672	3,898	9.7	9.6	9.6	10.4	9.8	9.5	2.8	2.9	2.8	3.0	2.7	2.5
Pittsburgh	2,084	2,095	2,170	2,173	2,175	2,186	5.2	5.1	5.0	5.0	4.7	4.6	2.4	2.4	2.3	2.3	2.3	2.3
Temple	1,401	1,349	1,374	1,144	1,032	1,078	5.3	5.4	5.4	5.5	5.3	5.3	2.5	2.5	2.6	2.6	2.6	2.6
Total	7,831	7,922	8,090	7,726	6,988	7,269	7.7	7.7	7.7	8.1	7.5	7.4	2.6	2.7	2.6	2.7	2.5	2.4

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, 2018 to 2023

HISTORICAL TABLE 5

Number and Average Instructional Salaries of Full-Time Equivalent Instructional Faculty by Rank 2022-23, Change from 2021-22 Average Instructional Salaries

State-related University	FTE Instructional Faculty	All Faculty	Professor	Associate Professor	Assistant Professor	Instructor	No Rank ²
Lincoln							
2017-18	164	\$51	\$93	\$69	\$65	\$21	\$59
2018-19	175	50	97	75	66	19	58
2019-20	173	51	95	75	64	20	62
2020-21	183	48	95	69	66	17	62
2021-22	180	51	93	72	66	19	58
2022-23	171	52	86	71	68	19	59
Penn State							
2017-18	4,906	83	136	96	81	60	65
2018-19	5,048	84	139	99	84	61	66
2019-20	5,119	86	142	100	87	64	63
2020-21	4,793	84	146	99	87	63	52
2021-22	4,182	86	147	108	90	65	52
2022-23	4,581	87	153	103	92	65	52
Pittsburgh							
2017-18	2,213	66	129	78	66	36	51
2018-19	2,225	73	131	80	68	38	60
2019-20	2,237	72	134	81	70	39	61
2020-21	2,332	69	138	82	69	41	57
2021-22	2,339	70	137	82	70	44	61
2022-23	2,547	69	115	86	70	35	71
Temple							
2017-18	1,929	68	122	84	61	42	47
2018-19	1,970	68	122	84	61	44	40
2019-20	1,975	71	124	85	62	47	48
2020-21	1,885	72	127	85	66	62	23
2021-22	1,895	73	133	88	68	65	21
2022-23	1,630	75	128	91	69	65	24

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 represents 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, 2018 to 2023.

HISTORICAL TABLE 6

**Average Instructional Faculty Salary Cost Per Full-Time Equivalent Student
by Academic Division and Level¹
2017-18 to 2022-23**

State-related University	Lower Division						Upper Division						Total Undergraduate						Master's					
	2017- 18	2018- 19	2019- 20	2020- 21	2021- 22	2022- 23	2017- 18	2018- 19	2019- 20	2020- 21	2021- 22	2022- 23	2017- 18	2018- 19	2019- 20	2020- 21	2021- 22	2022- 23	2017- 18	2018- 19	2019- 20	2020- 21	2021- 22	2022- 23
Lincoln	\$3,193	\$3,185	\$3,680	\$4,176	\$4,381	\$4,419	\$6,224	\$6,242	\$5,344	\$5,586	\$6,742	\$6,867	\$3,877	\$3,943	\$4,150	\$4,599	\$4,997	\$5,049	\$4,227	\$4,864	\$6,368	\$7,063	\$9,069	\$8,652
Penn State	3,811	4,099	4,378	4,059	3,576	3,938	4,669	4,892	5,036	4,640	4,265	4,835	4,217	4,478	4,700	4,343	3,906	4,364	6,246	6,750	6,872	6,357	5,878	6,493
Pittsburgh	3,093	3,224	3,307	3,350	3,303	3,417	4,935	5,054	5,433	5,089	5,410	6,031	3,755	3,888	4,099	3,977	4,066	4,401	5,608	5,625	6,073	6,647	6,214	7,013
Temple	2,735	2,877	2,991	3,054	3,189	3,275	3,640	3,779	3,982	3,937	4,292	4,358	3,230	3,386	3,549	3,563	3,799	3,843	4,859	4,977	5,566	5,637	5,907	6,213
Total	3,408	3,623	3,821	3,711	3,471	3,717	4,407	4,585	4,782	4,531	4,468	4,933	3,873	4,077	4,283	4,105	3,939	4,279	5,841	6,090	6,528	6,332	5,993	6,660

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 the individual universities, 2018 to 2023.

HISTORICAL TABLE 7
Average Instructional Faculty Salary Cost
Per Student Credit Hour
by Academic Division and Level¹
2017-18 to 2022-23

State-related university	Lower Division						Upper Division						Total Undergrade						Master's					
	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Lincoln	\$106	\$106	\$123	\$139	\$146	\$147	\$207	\$208	\$178	\$186	\$225	\$229	\$129	\$131	\$138	\$153	\$167	\$168	\$176	\$203	\$265	\$294	\$378	\$361
Penn State	127	137	146	135	119	131	156	163	168	155	142	161	141	149	157	145	130	145	260	281	286	265	245	271
Pittsburgh	103	107	110	112	110	114	165	168	181	170	180	201	125	130	137	133	136	147	234	234	253	277	259	292
Temple	91	96	100	102	106	109	121	126	133	131	143	145	108	113	118	119	127	128	249	236	232	234	239	210
Total	114	121	127	124	116	124	147	153	159	151	149	164	129	136	143	137	131	143	243	254	272	264	250	277

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. 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, 2018 to 2023.

HISTORICAL TABLE 8

**Average Class Sizes in Classroom Instruction
by Academic Division and Level¹
2017-18 to 2022-23**

State-related university	Lower Division						Upper Division						Total Undergraduate						Master's					
	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Lincoln	21	20	19	17	17	18	13	12	14	14	13	13	19	17	17	16	16	16	13	11	9	8	7	7
Penn State	29	28	27	26	27	27	23	22	23	22	22	21	25	25	25	24	24	24	14	13	14	14	13	14
Pittsburgh	29	28	28	31	31	30	24	24	23	25	24	22	27	26	26	28	28	27	16	16	16	16	16	15
Temple	33	32	32	31	30	30	26	26	26	26	24	24	29	29	29	28	26	27	18	17	17	16	15	15
Total	29	28	28	28	28	28	24	23	24	23	22	22	26	26	26	25	25	25	15	15	15	15	15	14

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, 2018 to 2023.

HISTORICAL TABLE 9

**Commonwealth Instructional Appropriations¹
2017-18 to 2022-23
(in millions)**

State-related University	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Lincoln	\$14.4	\$14.9	\$15.2	\$15.2	\$15.2	\$15.2
Penn State	230.4	237.3	242.1	242.1	242.1	242.1
Pittsburgh	152.9	157.6	165.5	165.5	175.4	175.5
Temple	150.6	155.1	158.2	158.2	158.2	158.2
Total	548.3	564.9	581.0	581.0	591.0	591.0

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. SOURCE: Instructional appropriations - Governor's Executive Budget, 2017-18 to 2022-23; data provided by the individual State-related universities 2018 to 2023. FTE students - data provided by the individual universities, 2018 to 2023.

HISTORICAL TABLE 10

**Academic Year Tuition and Required Fees
for Full-Time Students
by Academic Level and Residence
2017-18 to 2022-2023**

State-related University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
Lincoln				
2017-18	\$11,379	\$17,151	\$11,615	\$19,145
2018-19	11,036	16,952	11,420	18,950
2019-20	11,266	17,468	11,420	18,950
2020-21	11,266	17,468	11,274	18,804
2021-22	11,556	17,912	11,274	18,942
2022-23	11,910	18,456	11,274	18,942
Penn State				
2017-18	18,436	33,664	21,752	36,606
2018-19	18,454	34,858	22,578	38,012
2019-20	18,450	35,514	22,994	38,728
2020-21	18,450	35,514	22,994	38,728
2021-22	18,898	36,476	23,719	39,778
2022-23	19,835	38,651	25,015	42,151
Pittsburgh				
2017-18	19,080	30,642	22,060	35,744
2018-19	19,080	32,052	23,696	39,586
2019-20	19,718	33,746	24,480	40,848
2020-21	19,679	33,706	24,468	40,836
2021-22	20,362	35,394	25,248	42,042
2022-23	21,080	37,320	26,142	43,504
Temple				
2017-18	16,658	28,418	17,054	23,048
2018-19	16,970	29,066	17,378	23,588
2019-20	16,970	29,882	17,846	24,236
2020-21	16,970	29,882	17,846	24,236
2021-22	17,378	30,602	18,278	24,812
2022-23	21,135	35,608	21,455	27,596

1. Excludes first-professional level.

SOURCE: National Center for Education Statistics, 2018-2023.

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:

$$\begin{array}{r}
 \text{FTE} \\
 \text{instructional} \\
 \text{faculty salaries} \\
 \text{student credit hours}
 \end{array}
 =
 \begin{array}{c}
 \text{Number of FTE} \\
 \text{instructional faculty} \\
 \hline
 \text{Number} \\
 \text{of courses}
 \end{array}
 \times
 \begin{array}{c}
 \text{Average} \\
 \text{course} \\
 \text{(assigned)} \\
 \text{credit value}
 \end{array}
 \times
 \begin{array}{c}
 \text{Average FTE} \\
 \text{instructional faculty salary} \\
 \hline
 \text{Average} \\
 \text{class} \\
 \text{(section)} \\
 \text{size}
 \end{array}
 \times
 \begin{array}{c}
 \text{Number} \\
 \text{of classes} \\
 \text{(sections)} \\
 \text{Number} \\
 \text{of courses}
 \end{array}$$

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.