

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

Analysis of 2000-01 Data
Reported Under 2000 Appropriations Acts
and Public School Code

Staff Report
General Assembly of the Commonwealth of Pennsylvania
JOINT STATE GOVERNMENT COMMISSION
108 Finance Building
Harrisburg, Pennsylvania 17120
February 2002

The release of this report should not be interpreted as an endorsement by the members of the Executive Committee of the Joint State Government Commission of all the findings, recommendations and conclusions contained in this report.

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

State-Related Universities

Lincoln (Chester)

Penn State University Park (Centre)
Commonwealth College
Beaver (Beaver)
Delaware (Delaware)
DuBois (Clearfield)
Fayette (Fayette)
Hazleton (Luzerne)
Mont Alto (Franklin)
McKeesport (Allegheny)
New Kensington (Westmoreland)
Shenango (Mercer)
Wilkes-Barre (Luzerne)
Worthington Scranton (Lackawanna)
York (York)

Other Colleges
Abington (Montgomery)
Altoona (Blair)
Berks (Berks)
Erie (Erie)
Great Valley (Chester)
Harrisburg (Dauphin)
Lehigh Valley (Lehigh)
Schuylkill (Schuylkill)
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.

**Not included in this report.

FOREWORD

This 29th annual 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 annual appropriation acts for the State-related universities, and the Public School Code for the State-owned universities. 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 2000-01 and data trends for 1995-96 to 2000-01 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.

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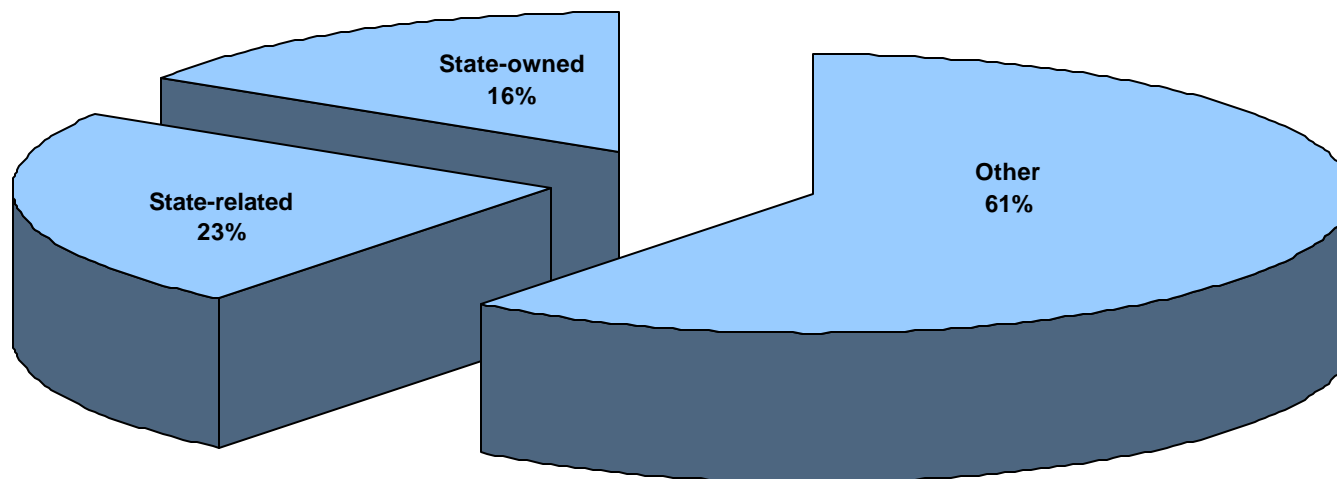
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FULL- AND PART-TIME STUDENTS
ENROLLED IN PUBLIC AND PRIVATE COLLEGES AND UNIVERSITIES
IN PENNSYLVANIA¹
FALL 1999^a

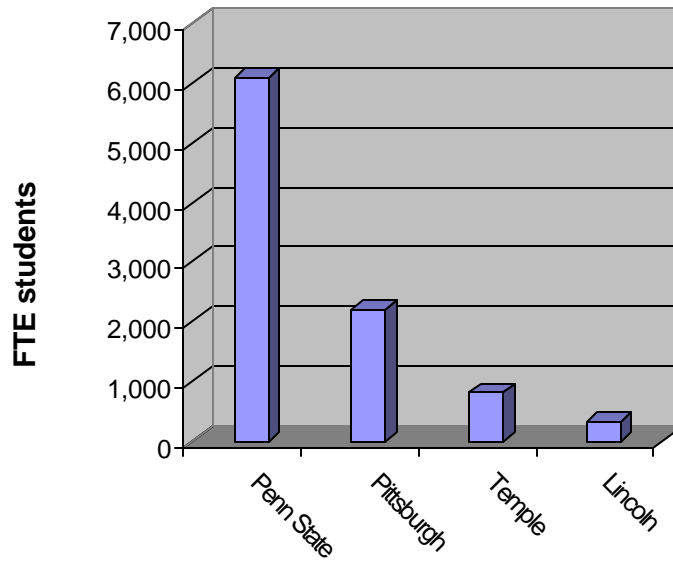


1. In Fall 1999, a total of 589,838 full- and part-time students were enrolled in the 146 public and private colleges and universities in Pennsylvania. Of this total, 233,384 students were enrolled in the Commonwealth's public universities: 138,161 students in the 4 State-related universities, and 95,223 in the 14 State-owned universities.

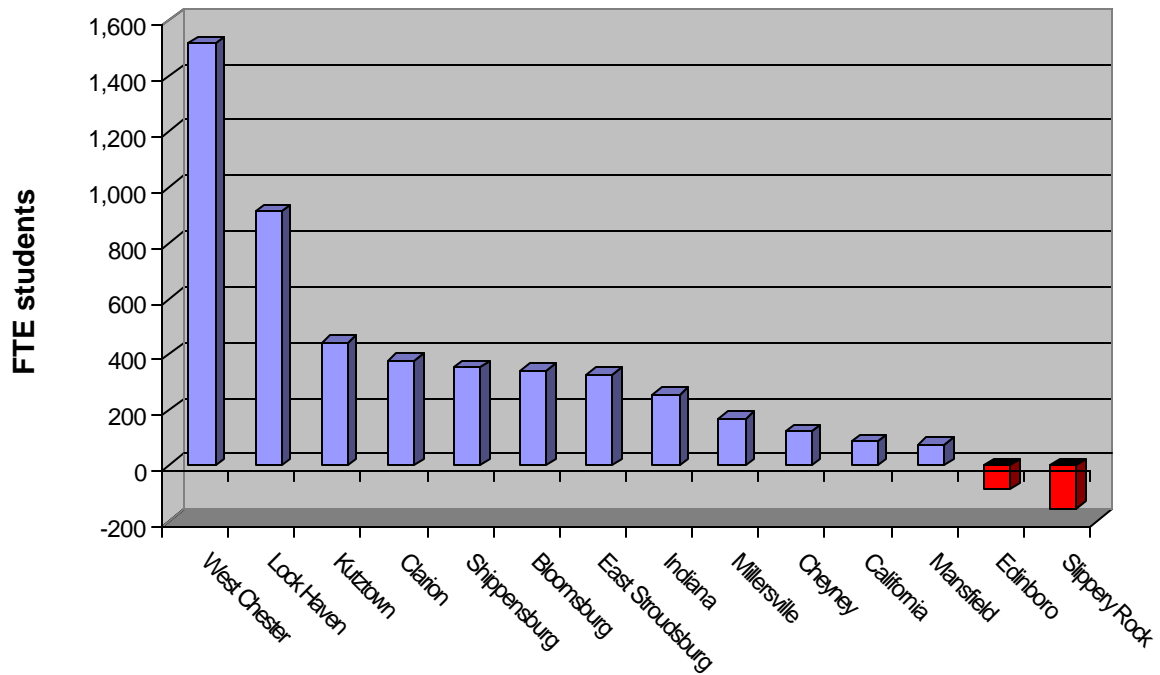
a. Fall 1999 data repeated because Fall 2000 data was unavailable at the time of publication.

SOURCE: Pennsylvania Department of Education, *Colleges and Universities Education Digest, 1999-2000*.

**CHANGES IN FTE STUDENT ENROLLMENTS
IN THE STATE-RELATED AND STATE-OWNED UNIVERSITIES
1995-96 to 2000-01**



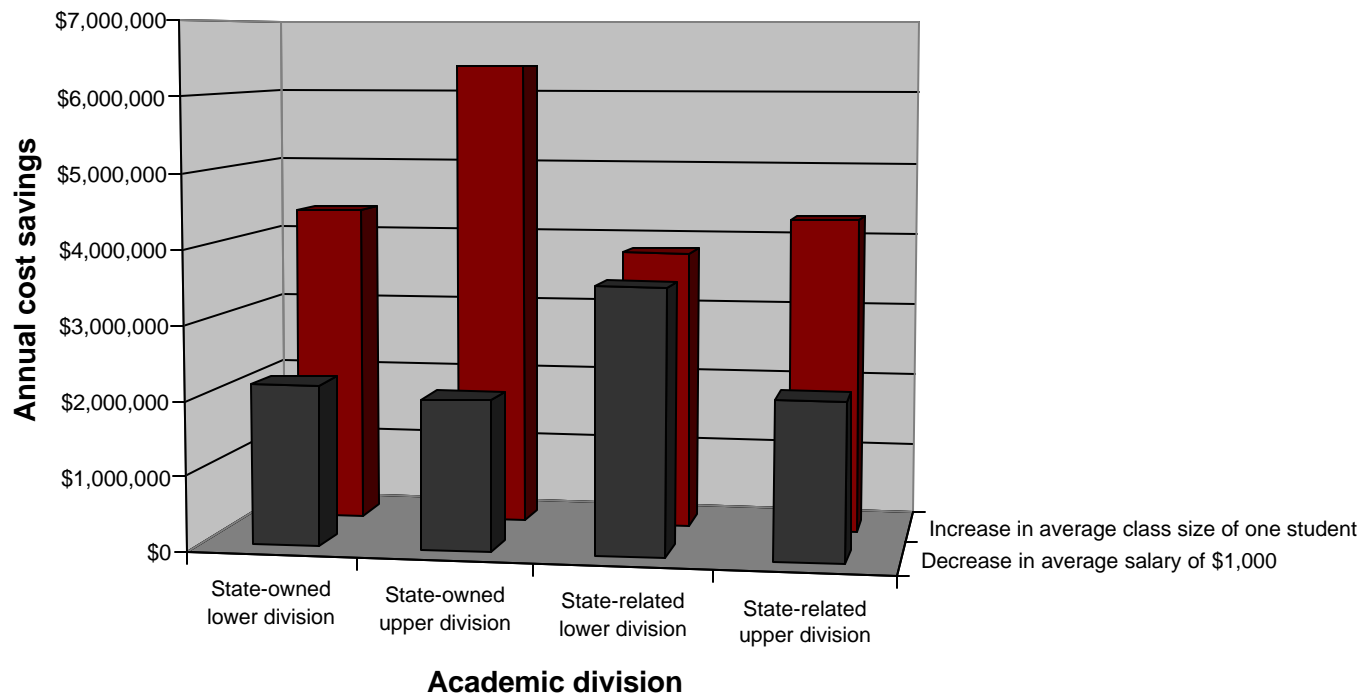
State-related universities



State-owned universities

SOURCE: Data provided by the individual universities, 1996 to 2001.

ESTIMATED ANNUAL COST SAVINGS
FROM A DECREASE IN AVERAGE SALARY AND AN INCREASE IN AVERAGE CLASS SIZE¹
FOR THE STATE-RELATED AND STATE-OWNED UNIVERSITIES
2000-01



1. The estimated total annual cost savings to be expected from *decreasing* average FTE instructional faculty salary by \$1,000 at the State-related and State-owned universities would be almost \$10 million, and from *increasing* average class (section) size by one student about \$18.8 million. The model on which these estimates are based is given in the Appendix.

SOURCE: Data provided by the individual universities, 2001.

I. CURRENT YEAR DATA

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Table 1

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL ¹
 2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Total				Undergraduate				Graduate ²			
	FTE students	One-year change	Percentage change One-year	Five-year average	FTE students	One-year change	Percentage change One-year	Five-year average	FTE students	One-year change	Percentage change One-year	Five-year average
State-related												
Lincoln	1,875	-153	-8%	4%	1,408	-107	-7%	1%	467	-46	-9%	21%
Penn State	70,240	1,013	1	2	63,787	833	1	2	6,453	180	3	a
Pittsburgh	29,769	206	1	2	21,983	227	1	2	7,786	-21	a	1
Temple	25,214	1,052	4	1	18,051	1,143	7	a	7,163	-91	-1	1
Total	127,098	2,118	2	2	105,229	2,096	2	2	21,869	22	a	1
State-owned												
Bloomsburg	7,369	-39	-1	1	6,843	-81	-1	1	526	42	9	4
California	5,634	166	3	a	4,788	53	1	a	846	113	15	a
Cheyney	1,425	-6	a	2	1,045	58	6	-1	380	-64	-14	17
Clarion	5,911	108	2	1	5,608	99	2	1	303	9	3	a
East Stroudsburg	5,592	31	1	1	4,844	-37	-1	1	748	68	10	2
Edinboro	6,754	250	4	a	6,300	208	3	a	454	42	10	a
Indiana	13,019	339	3	a	11,775	192	2	a	1,244	147	13	4
Kutztown	7,203	41	1	1	6,719	23	a	1	484	18	4	2
Lock Haven	4,158	462	12	6	4,004	475	13	5	154	-13	-8	420
Mansfield	2,886	78	3	1	2,757	57	2	1	129	21	19	-3
Millersville	7,089	223	3	a	6,120	126	2	a	969	97	11	4
Shippensburg	6,343	305	5	1	5,844	288	5	1	499	17	4	-1
Slippery Rock	6,755	109	2	a	6,180	156	3	a	575	-47	-8	-1
West Chester	11,097	326	3	3	9,966	209	2	3	1,131	117	12	4
Total	91,235	2,393	3	1	82,793	1,826	2	1	8,442	567	7	3
All universities	218,333	4,511	2	1	188,022	3,922	2	1	30,311	589	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. In addition to master's level, graduate for Penn State, Pittsburgh, Temple, Indiana and Slippery Rock includes first-professional (excluding medical schools) and/or doctor's levels.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Table 2

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL ¹
 2000-01 CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Lower division			Upper division			Master's			First professional ² and doctor's		
	FTE students	Percentage change		FTE students	Percentage change		FTE students	Percentage change		FTE students	Percentage change	
		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average
State-related												
Lincoln	1,028	-6%	1%	380	-9%	3%	467	-9%	21%	na	na	na
Penn State	38,963	2	1	24,824	a	5	3,242	-2	-3	3,211	8%	3%
Pittsburgh	14,902	a	2	7,081	4	1	4,732	-2	-1	3,054	3	4
Temple	8,616	12	1	9,435	3	a	3,433	1	-1	3,730	-3	4
Total	63,509	3	1	41,720	1	3	11,874	-1	-1	9,995	2	4
State-owned												
Bloomsburg	4,885	1	1	1,958	-7	-1	526	9	4	na	na	na
California	3,248	a	-1	1,540	3	3	846	15	a	na	na	na
Cheyney	784	8	a	261	-1	-2	380	-14	17	na	na	na
Clarion	4,071	3	2	1,537	-1	a	303	3	a	na	na	na
East Stroudsburg	3,388	a	a	1,456	-2	4	748	10	2	na	na	na
Edinboro	4,239	6	a	2,061	-2	a	454	10	a	na	na	na
Indiana	8,226	4	a	3,549	-4	-1	957	12	4	287	20	6
Kutztown	4,459	a	1	2,260	1	1	484	4	2	na	na	na
Lock Haven	2,814	13	5	1,190	15	4	154	-8	420	na	na	na
Mansfield	1,708	4	1	1,049	-1	a	129	19	-3	na	na	na
Millersville	4,045	5	1	2,075	-3	-1	969	11	4	na	na	na
Shippensburg	4,158	6	1	1,686	3	2	499	4	-1	na	na	na
Slippery Rock	4,423	4	a	1,757	-1	-1	353	-2	b	222	-15	b
West Chester	6,728	3	4	3,238	1	1	1,131	12	4	na	na	na
Total	57,176	4	1	25,617	-1	a	7,933	8	2	509	2	26
All universities	120,685	3	1	67,337	a	2	19,807	2	a	10,504	2	4

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.

b. The master's level includes the doctor's level prior to 1996-97.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Table 3A

LINCOLN UNIVERSITY
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2000-01

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ²	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--	--	--
Area and ethnic studies	--	--	--	--	--	--	--	--
Business	122	7%	37	4%	59	16%	26	5%
Communications	--	--	--	--	--	--	--	--
Computer and information sciences	57	3	37	4	20	5	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	208	11	101	10	62	16	45	10
Engineering	--	--	--	--	--	--	--	--
Foreign languages	75	4	66	6	9	2	--	--
Health	--	--	--	--	--	--	--	--
Home economics	--	--	--	--	--	--	--	--
Industrial Arts	--	--	--	--	--	--	--	--
Law	--	--	--	--	--	--	--	--
Letters	202	11	172	17	30	8	--	--
Liberal/general studies	--	--	--	--	--	--	--	--
Library and archival sciences	--	--	--	--	--	--	--	--
Life sciences	98	5	78	7	16	4	4	1
Mathematics	131	7	119	12	9	2	3	1
Military sciences	--	--	--	--	--	--	--	--
Multi/interdisciplinary studies	3	a	--	--	3	1	--	--
Parks and recreation	84	4	68	6	16	4	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	81	4	64	6	17	4	--	--
Physical sciences	71	4	57	5	14	4	--	--
Psychology	68	4	39	4	29	8	--	--
Public affairs and protective services	369	20	--	--	--	--	369	79
Social sciences	232	12	121	12	91	24	20	4
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	76	4	70	7	6	2	--	--
Other	--	--	--	--	--	--	--	--
Total ³	1,875	100	1,028	100	380	100	467	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. Graduate includes master's level only.

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

a. Rounds to less than 1 percent.

SOURCE: Data provided by Lincoln University, 2001; CIP classifications- U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 3B

PENNSYLVANIA STATE UNIVERSITY
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2000-01

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ²	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	1,160	2%	240	1%	757	3%	163	3%
Architecture and environmental design	535	1	344	1	175	1	16	a
Area and ethnic studies	903	1	496	1	375	1	32	a
Business	8,612	12	2,451	6	5,159	21	1,002	16
Communications	1,452	2	539	1	873	4	40	1
Computer and information sciences	2,820	4	2,145	6	444	2	231	4
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	3,528	5	748	2	1,369	5	1,411	22
Engineering	4,914	7	1,161	3	2,794	11	959	15
Foreign languages	2,730	4	2,080	5	541	2	109	2
Health	1,817	3	422	1	1,173	5	222	3
Home economics	2,047	3	1,023	3	930	4	94	1
Industrial Arts	--	--	--	--	--	--	--	--
Law	--	--	--	--	--	--	--	--
Letters	6,523	9	4,373	11	1,878	8	272	4
Liberal/general studies	348	1	226	1	108	a	14	a
Library and archival sciences	9	a	6	a	3	a	--	--
Life sciences	3,337	5	2,296	6	760	3	281	4
Mathematics	6,111	9	5,398	14	539	2	174	3
Military sciences	93	a	52	a	41	a	--	--
Multi/interdisciplinary studies	2,318	3	612	2	1,608	6	98	2
Parks and recreation	371	1	73	a	278	1	20	a
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	1,293	2	1,088	3	163	1	42	1
Physical sciences	4,941	7	3,667	9	758	3	516	8
Psychology	2,392	3	1,315	3	863	3	214	3
Public affairs and protective services	944	1	189	a	663	3	92	1
Social sciences	6,980	10	4,983	13	1,670	7	327	5
Trade and industrial	239	a	231	1	8	a	--	--
Visual and performing arts	3,825	5	2,805	7	894	4	126	2
Other	--	--	--	--	--	--	--	--
Total ³	70,240	100	38,963	100	24,824	100	6,453	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. Graduate includes master's and/or doctor's levels, and excludes medical school data.

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

a. Rounds to less than 1 percent.

SOURCE: Data provided by Pennsylvania State University, 2001; CIP classifications - U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 3C

UNIVERSITY OF PITTSBURGH
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2000-01

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ²	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--	--	--
Area and ethnic studies	279	1%	140	1%	132	2%	7	a
Business	2,262	8	403	3	924	13	935	12%
Communications	162	a	27	a	28	a	107	1
Computer and information sciences	1,472	5	898	6	313	5	261	3
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	1,967	7	405	3	497	7	1,065	14
Engineering	1,521	5	441	3	689	10	391	5
Foreign languages	1,666	6	1,177	8	393	6	96	1
Health	3,064	10	202	1	650	9	2,212	28
Home economics	41	a	--	--	41	1	--	--
Industrial Arts	--	--	--	--	--	--	--	--
Law	1,010	3	36	a	49	1	925	12
Letters	2,754	9	1,935	13	691	10	128	2
Liberal/general studies	--	--	--	--	--	--	--	--
Library and archival sciences	206	1	1	a	2	a	203	2
Life sciences	1,080	4	705	5	308	4	67	1
Mathematics	1,878	6	1,551	10	241	3	86	1
Military sciences	15	a	8	a	7	a	--	--
Multi/interdisciplinary studies	106	a	85	1	21	a	--	--
Parks and recreation	--	--	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	874	3	643	4	183	3	48	1
Physical sciences	2,135	7	1,758	12	169	2	208	3
Psychology	1,433	5	1,096	7	263	4	74	1
Public affairs and protective services	1,244	4	101	1	377	5	766	10
Social sciences	3,461	12	2,367	16	942	13	152	2
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	1,142	4	924	6	161	2	57	1
Other	--	--	--	--	--	--	--	--
Total ³	29,769	100	14,902	100	7,081	100	7,786	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. Graduate includes master's, first-professional (excluding medical school) and/or doctor's levels.

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

a. Rounds to less than 1 percent.

SOURCE: Data provided by University of Pittsburgh, 2001; CIP classifications - U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 3D

TEMPLE UNIVERSITY
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2000-01

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ²	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	82	a	36	a	45	a	1	a
Architecture and environmental design	264	1%	103	1%	160	2%	1	a
Area and ethnic studies	341	1	170	2	130	1	41	1%
Business	2,984	12	771	9	1,439	15	774	11
Communications	717	3	238	3	386	4	93	1
Computer and information sciences	743	3	299	4	360	4	84	1
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	2,243	9	450	5	1,089	12	704	10
Engineering	385	2	103	1	230	2	52	1
Foreign languages	739	3	428	5	274	3	37	1
Health	3,238	13	99	1	712	8	2,427	34
Home economics	--	--	--	--	--	--	--	--
Industrial Arts	--	--	--	--	--	--	--	--
Law	1,688	7	150	2	148	2	1,390	19
Letters	1,330	5	849	10	432	5	49	1
Liberal/general studies	504	2	384	5	115	1	5	a
Library and archival sciences	--	--	--	--	--	--	--	--
Life sciences	382	2	158	2	188	2	36	a
Mathematics	1,257	5	812	9	355	4	90	1
Military sciences	8	a	6	a	2	a	--	--
Multi/interdisciplinary studies	--	--	--	--	--	--	--	--
Parks and recreation	--	--	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	521	2	276	3	205	2	40	1
Physical sciences	880	3	492	6	318	3	70	1
Psychology	1,112	4	326	4	393	4	393	5
Public affairs and protective services	994	4	196	2	406	4	392	5
Social sciences	2,703	11	1,381	16	1,124	12	198	3
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	2,100	8	888	10	927	10	285	4
Other	--	--	--	--	--	--	--	--
Total ³	25,214	100	8,616	100	9,435	100	7,163	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. Graduate includes master's, first-professional (excluding medical school) and/or doctor's levels.

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

a. Rounds to less than 1 percent.

SOURCE: Data provided by Temple University, 2001; CIP classifications - U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 3E

STATE-OWNED UNIVERSITIES
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
2000-01

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ²	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	215	a	190	a	21	a	4	a
Architecture and environmental design	20	a	4	a	16	a	0	--
Area and ethnic studies	480	1%	294	1%	175	1%	11	a
Business	7,215	8	2,935	5	3,733	15	547	7%
Communications	2,683	3	1,551	3	1,031	4	101	1
Computer and information sciences	2,225	2	1,628	3	523	2	74	1
Consumer, personal and miscellaneous services	392	a	392	1	0	--	0	--
Education	17,056	19	5,250	9	7,121	28	4,685	55
Engineering	476	1	216	a	226	1	34	a
Foreign languages	2,465	3	2,083	4	315	1	67	1
Health	2,826	3	868	2	1,345	5	613	7
Home economics	556	1	245	a	293	1	18	a
Industrial Arts	221	a	95	a	74	a	52	1
Law	136	a	83	a	43	a	10	a
Letters	8,716	10	6,808	12	1,605	6	303	4
Liberal/general studies	391	a	200	a	55	a	136	2
Library and archival sciences	186	a	23	a	49	a	114	1
Life sciences	3,643	4	2,862	5	670	3	111	1
Mathematics	5,494	6	4,888	9	491	2	115	1
Military sciences	122	a	91	a	31	a	0	--
Multi/interdisciplinary studies	432	1	333	1	56	a	43	1
Parks and recreation	1,132	1	648	1	435	2	49	1
Personal and social development	293	a	225	a	25	a	43	1
Philosophy, religion and theology	1,951	2	1,613	3	308	1	30	a
Physical sciences	4,744	5	4,219	7	475	2	50	1
Psychology	5,460	6	3,340	6	1,538	6	582	7
Public affairs and protective services	1,615	2	728	1	769	3	118	1
Social sciences	12,887	14	9,906	17	2,583	10	398	5
Trade and industrial	50	a	39	a	11	a	0	--
Visual and performing arts	6,550	7	5,053	9	1,382	6	115	1
Other	608	1	364	1	222	1	22	a
Total ³	91,235	100	57,176	100	25,617	100	8,442	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. Graduate includes master's level for all universities and doctor's level for Indiana and Slippery Rock.

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

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual State-owned universities, 2001; CIP classifications - U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 4

DEGREES CONFERRED¹
2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Total				Bachelor's				Graduate ²			
	Degrees	One-year change	Percentage change One-year	Five-year average	Degrees	One-year change	Percentage change One-year	Five-year average	Degrees	One-year change	Percentage change One-year	Five-year average
State-related												
Lincoln	423	-78	-16%	7%	199	-86	-30%	-3%	224	8	4%	44%
Penn State	13,578	428	3	5	11,065	480	5	5	2,513	-52	-2	2
Pittsburgh	6,771	193	3	1	4,219	304	8	2	2,552	-111	-4	-1
Temple	5,553	34	1	a	3,249	85	3	1	2,304	-51	-2	-1
Total	26,325	577	2	2	18,732	783	4	3	7,593	-206	-3	a
State-owned												
Bloomsburg	1,524	-13	-1	a	1,296	-20	-2	a	228	7	3	a
California	1,078	-32	-3	-3	821	12	1	-2	257	-44	-15	-4
Cheyney	306	-3	-1	7	123	-20	-14	-1	183	17	10	20
Clarion	1,103	62	6	1	931	43	5	1	172	19	12	3
East Stroudsburg	1,034	-94	-8	-1	775	-127	-14	-1	259	33	15	1
Edinboro	1,160	-123	-10	-2	1,014	-124	-11	-2	146	1	1	-4
Indiana	2,633	-80	-3	a	2,114	-5	a	a	519	-75	-13	-1
Kutztown	1,391	-113	-8	1	1,140	-97	-8	1	251	-16	-6	2
Lock Haven	677	32	5	3	640	31	5	2	37	1	3	350
Mansfield	536	23	4	a	492	31	7	1	44	-8	-15	-6
Millersville	1,390	7	1	a	1,214	2	a	a	176	5	3	3
Shippensburg	1,424	14	1	a	1,131	-13	-1	a	293	27	10	1
Slippery Rock	1,231	-14	-1	-2	1,046	-16	-2	-2	185	2	1	-2
West Chester	2,117	-33	-2	3	1,691	-40	-2	3	426	7	2	2
Total	17,604	-367	-2	a	14,428	-343	-2	a	3,176	-24	-1	1
All universities	43,929	210	a	1	33,160	440	1	2	10,769	-230	-2	a

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

2. Graduate includes master's at all universities, first professional (excluding medical schools) at Pittsburgh and Temple, and doctor's at Penn State, Pittsburgh, Temple, Indiana and Slippery Rock.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Table 5

NUMBER AND WORKWEEKS OF FULL-TIME EMPLOYED FACULTY BY TYPE OF ACTIVITY
FALL 2000, AND PERCENTAGE CHANGE FROM FALL 1999

University	Full-time employed faculty ¹	Average weekly hours ²											
		Student contact				Instruc- tional support ³	Percentage		Other university service ⁴	Percentage		Total work- week	Percentage change
		Under- graduate	Percentage change	Graduate	Percentage change		Percentage change	Percentage change					
State-related													
Lincoln	96	11.5	-1%	0.8	14%	22.0	-3%	10.4	-21%	10.9	17%	55.6	-3%
Penn State	3,315	6.6	0	1.6	-6	19.4	1	17.1	2	7.5	-4	52.2	a
Pittsburgh	1,780	4.2	-5	3.5	-5	13.1	0	19.0	4	12.1	-2	51.9	a
Temple	1,099	5.7	2	3.6	-8	18.3	1	13.7	1	11.8	-4	53.1	-1
Total	6,290	5.8	-2	2.5	-4	17.5	1	16.9	2	9.6	-2	52.3	0
State-owned													
Bloomsburg	363	11.0	-2	1.0	11	17.4	-2	8.8	1	18.0	1	56.2	a
California	260	9.7	-4	1.8	20	19.2	3	6.9	10	18.5	3	56.1	3
Cheyney	79	10.2	-8	1.7	13	16.4	-2	8.5	29	16.3	1	53.1	2
Clarion	337	10.8	0	0.7	-22	19.1	-2	8.3	-1	13.2	-1	52.1	-2
East Stroudsburg	259	10.7	0	1.1	0	17.3	0	8.4	0	17.8	0	55.3	0
Edinboro	346	12.4	2	1.3	8	15.2	-7	8.6	1	15.5	-2	53.0	-2
Indiana	745	9.9	-2	1.3	0	17.1	-5	10.2	3	19.1	3	57.6	-1
Kutztown	377	11.2	-1	0.6	0	17.1	0	8.1	-5	17.1	2	54.1	a
Lock Haven	225	11.8	-1	0.2	0	19.0	2	6.5	0	17.0	-1	54.5	a
Mansfield	165	10.9	-3	0.4	-43	22.5	2	9.9	2	17.4	-3	61.1	-1
Millersville	312	10.4	-2	0.9	0	17.4	1	8.6	1	16.6	-3	53.9	-1
Shippensburg	287	9.7	-5	0.9	13	17.9	-3	9.4	11	19.6	9	57.5	3
Slippery Rock	353	9.8	-2	0.9	0	18.4	1	2.5	-72	24.6	37	56.2	a
West Chester	580	10.2	1	1.4	-13	17.8	3	11.8	-4	17.7	-6	58.9	-2
Total	4,688	10.5	-2	1.1	10	17.7	-2	8.6	-3	18.0	3	55.9	a
All universities	10,978	7.8	-1	1.9	-5	17.6	0	13.5	1	13.0	0	53.8	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.

SOURCE: Data provided by the individual universities, 2000 and 2001.

Table 6

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY AND PERCENTAGE DISTRIBUTION BY RANK¹
2000-01
(Dollars in thousands)

University	FTE		Average		Professor		Associate professor		Assistant professor		Instructor		No rank ²	
	instructional faculty		instructional salary		Average		Average		Average		Average		Average	
	Number	Percentage change 1999-00 to 2000-01	Amount	Percentage change 1999-00 to 2000-01	instruc-tional salary	Percent-age of faculty	instruc-tional salary	Percent-age of faculty	instruc-tional salary	Percent-age of faculty	instruc-tional salary	Percent-age of faculty	instruc-tional salary	Percent-age of faculty
State-related														
Lincoln	129	-6%	\$34.6	1%	\$55.3	19%	\$42.9	12%	\$33.1	36%	\$20.7	18%	\$22.4	15%
Penn State	3,924	2	52.3	a	91.7	16	63.0	17	51.4	21	35.2	16	34.7	30
Pittsburgh	1,801	-1	49.6	4	81.9	18	56.3	21	45.7	19	29.6	16	36.4	26
Temple	1,498	3	52.3	7	80.6	26	60.4	21	43.3	18	29.3	15	32.8	20
Total	7,352	2	51.4	3	85.6	19	60.4	19	48.0	20	32.4	16	34.7	26
State-owned														
Bloomsburg	393	-2	57.0	2	72.4	30	59.3	31	46.0	29	35.4	10	na	na
California	314	11	49.5	-13	65.3	36	41.9	33	46.5	13	29.7	15	49.8	3
Cheyney	96	-9	60.0	12	83.6	28	71.9	26	52.0	22	36.1	24	na	na
Clarion	319	0	57.6	4	78.8	29	62.4	24	47.5	26	35.1	21	58.6	a
East Stroudsburg	294	3	59.2	3	75.8	31	64.0	29	48.9	22	34.2	18	na	na
Edinboro	399	a	57.3	3	74.8	27	59.7	25	49.3	35	37.5	13	na	na
Indiana	811	-3	53.1	8	66.5	33	53.4	29	43.8	27	34.8	10	38.5	1
Kutztown	370	-3	59.1	2	79.4	29	63.5	29	46.3	29	33.6	13	na	na
Lock Haven	200	-2	57.4	9	76.2	25	55.1	25	54.3	37	35.8	13	na	na
Mansfield	197	19	59.8	1	79.4	32	66.5	30	47.8	20	29.2	18	na	na
Millersville	408	a	56.5	2	73.3	34	59.2	23	45.7	30	32.7	13	na	na
Shippensburg	319	4	57.9	1	78.4	30	63.2	15	47.6	47	33.5	8	na	na
Slippery Rock	363	3	57.9	1	72.1	31	59.2	25	48.2	38	39.5	6	31.9	a
West Chester	648	3	51.8	2	73.1	23	59.4	24	47.1	22	33.2	30	33.7	1
Total	5,131	1	55.9	3	73.2	30	58.3	26	47.2	28	34.0	15	34.5	1
All universities	12,483	1	53.2	3	79.0	23	59.4	22	47.6	24	33.0	15	34.7	16

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.

a. Rounds to less than 1 percent.

na. Not applicable.

SOURCE: Data provided by the individual universities, 2000 and 2001.

Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL ¹
2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Lower division	Undergraduate					Total under-graduate	Percentage change		Total master's	Master's Percentage change	
		One-year	Five-year average	Upper division	One-year	Five-year average		One-year	Five-year average		One-year	Five-year average
State-related												
Lincoln	\$2,161	1%	3%	\$3,594	6%	a	\$2,547	3%	2%	\$1,861	4%	a
Penn State	1,772	1	4	3,120	2	3%	2,296	1	4	4,904	-7	3%
Pittsburgh	1,630	3	-1	3,256	2	2	2,154	3	a	5,526	4	1
Temple	2,078	4	4	3,064	5	4	2,593	4	4	4,056	8	4
Total	1,785	2	3	3,130	3	3	2,318	2	3	4,787	1	2
State-owned												
Bloomsburg	2,325	-2	a	4,464	5	2	2,937	a	1	4,414	-2	2
California	2,139	-5	-1	3,576	-8	-2	2,601	-6	-1	3,633	-13	2
Cheyney	4,094	-4	4	6,215	a	1	4,624	-4	3	2,436	18	-4
Clarion	2,306	4	a	4,809	a	a	2,992	2	a	5,272	7	1
East Stroudsburg	2,498	5	a	4,574	7	1	3,122	6	1	3,006	1	a
Edinboro	2,513	-1	1	4,764	2	3	3,249	-1	2	5,339	-1	7
Indiana	2,265	6	2	4,762	2	2	3,020	2	2	5,772	-7	a
Kutztown	2,067	-2	-1	4,694	-2	1	2,950	-2	a	4,216	3	a
Lock Haven	2,454	4	1	3,969	-4	-1	2,916	1	a	3,754	-8	-14
Mansfield	2,921	11	6	5,917	24	3	4,061	17	4	4,304	7	-1
Millersville	2,893	a	2	4,091	-2	2	3,299	-2	2	2,960	10	-2
Shippensburg	2,298	-2	-1	3,929	1	-2	2,769	-1	-1	4,630	7	5
Slippery Rock	2,514	2	1	4,484	5	2	3,075	3	1	4,985	1	b
West Chester	2,384	3	a	3,908	2	1	2,879	2	a	4,307	-5	a
Total	2,404	1	1	4,431	2	1	3,031	1	1	4,170	-1	1
All universities	2,078	2	2	3,625	2	2	2,632	1	2	4,540	a	2

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.

b. The master's level includes the doctor's level prior to 1997-98.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Table 8A

LINCOLN UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2000-01

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total under-graduate	Master's	First professional	Doctor's
Agriculture	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--
Area and ethnic studies	--	--	--	--	--	--
Business	\$2,072	\$3,564	\$2,987	\$3,251	--	--
Communications	--	--	--	--	--	--
Computer and information sciences	2,037	2,156	2,079	--	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,351	1,909	1,562	2,322	--	--
Engineering	--	--	--	--	--	--
Foreign languages	2,594	8,350	3,292	--	--	--
Health	--	--	--	--	--	--
Home economics	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	--	--
Letters	1,849	3,747	2,127	--	--	--
Liberal/general studies	--	--	--	--	--	--
Library and archival sciences	--	--	--	--	--	--
Life sciences	1,672	4,452	2,147	9,525	--	--
Mathematics	2,382	5,349	2,585	--	--	--
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	--	1,849	1,849	--	--	--
Parks and recreation	2,130	2,698	2,240	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	2,054	3,038	2,261	--	--	--
Physical sciences	3,065	8,530	4,136	--	--	--
Psychology	2,799	5,132	3,786	--	--	--
Public affairs and protective services	--	--	--	1,496	--	--
Social sciences	2,090	3,209	2,571	2,274	--	--
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	3,119	5,318	3,278	--	--	--
Other	--	--	--	--	--	--
Total	2,161	3,594	2,547	1,861	--	--

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.

SOURCE: Data provided by Lincoln University, 2001; CIP classifications- U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 8B

PENNSYLVANIA STATE UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2000-01

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total under-graduate	Master's	First professional ²	Doctor's
Agriculture	\$2,448	\$2,900	\$2,791	\$8,478	--	\$13,168
Architecture and environmental design	1,307	5,010	2,554	14,311	--	20,887
Area and ethnic studies	1,505	3,593	2,404	7,463	--	15,611
Business	1,440	2,770	2,341	4,051	--	7,299
Communications	1,517	2,516	2,135	8,064	--	14,650
Computer and information sciences	2,444	3,401	2,608	2,946	--	20,015
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,489	2,862	2,377	1,526	--	5,656
Engineering	4,060	4,447	4,334	6,353	--	19,508
Foreign languages	2,016	3,041	2,228	10,490	--	12,949
Health	2,545	3,347	3,135	5,926	--	11,401
Home economics	894	2,687	1,748	4,494	--	12,638
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	--	--
Letters	2,023	2,653	2,212	5,530	--	15,696
Liberal/general studies	3,861	3,133	3,626	4,999	--	--
Library and archival sciences	818	812	817	--	--	--
Life sciences	1,476	2,905	1,831	11,613	--	16,220
Mathematics	1,928	3,210	2,044	5,768	--	15,790
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	2,028	2,426	2,316	3,913	--	13,034
Parks and recreation	507	1,882	1,596	10,085	--	17,431
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,385	3,391	1,647	6,429	--	14,660
Physical sciences	1,777	4,310	2,211	10,551	--	17,796
Psychology	911	2,444	1,519	6,846	--	10,588
Public affairs and protective services	1,208	2,522	2,230	3,538	--	15,246
Social sciences	1,256	3,232	1,752	6,552	--	20,678
Trade and industrial	3,968	6,038	4,040	--	--	--
Visual and performing arts	1,480	4,196	2,137	8,153	--	12,465
Other	--	--	--	--	--	--
Total	1,772	3,120	2,296	4,904	--	13,473

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.

2. Excludes medical school data.

SOURCE: Data provided by Pennsylvania State University, 2001; CIP classifications - U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 8C

UNIVERSITY OF PITTSBURGH
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2000-01

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total under-graduate	Master's	First professional ²	Doctor's
Agriculture	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--
Area and ethnic studies	\$1,866	\$3,877	\$2,844	\$12,027	--	\$18,986
Business	1,738	2,258	2,100	3,533	--	29,282
Communications	5,147	3,301	4,218	2,623	--	14,292
Computer and information sciences	1,379	2,896	1,772	3,158	--	10,040
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,529	2,903	2,286	3,066	--	7,900
Engineering	2,511	3,536	3,136	8,574	--	17,022
Foreign languages	1,817	2,004	1,864	5,659	--	13,882
Health	2,607	4,516	4,063	9,319	\$1,960	26,250
Home economics	--	3,544	3,544	--	--	--
Industrial arts	--	--	--	--	--	--
Law	2,134	2,564	2,382	2,083	2,253	--
Letters	1,909	2,864	2,161	4,142	--	13,586
Liberal/general studies	--	--	--	--	--	--
Library and archival sciences	--	--	--	3,099	--	13,959
Life sciences	1,984	4,501	2,749	15,830	--	25,813
Mathematics	1,565	2,825	1,734	7,337	--	19,442
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	998	1,753	1,149	--	--	--
Parks and recreation	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,857	3,550	2,232	16,823	--	25,513
Physical sciences	1,654	6,627	2,089	12,663	--	15,021
Psychology	875	2,620	1,212	6,033	--	8,148
Public affairs and protective services	1,385	2,031	1,895	3,257	--	10,165
Social sciences	1,378	3,603	2,012	11,488	--	19,019
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	1,521	5,362	2,091	9,085	--	21,110
Other	--	--	--	--	--	--
Total	1,630	3,256	2,154	5,526	2,079	14,517

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.

2. Excludes medical school data.

SOURCE: Data provided by University of Pittsburgh, 2001; CIP classifications- U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 8D

TEMPLE UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2000-01

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total under-graduate	Master's	First professional ²	Doctor's
Agriculture	\$2,229	\$2,840	\$2,567	--	--	--
Architecture and environmental design	2,526	3,979	3,411	\$3,055	--	--
Area and ethnic studies	2,192	2,900	2,499	5,536	--	\$10,512
Business	2,030	2,982	2,650	3,543	--	13,891
Communications	1,576	3,251	2,611	6,499	--	4,590
Computer and information sciences	2,144	3,341	2,797	4,609	--	8,622
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	2,065	2,867	2,632	2,810	--	6,950
Engineering	3,137	4,895	4,353	10,062	--	17,759
Foreign languages	2,494	3,720	2,972	3,554	--	9,021
Health	2,678	1,970	2,057	3,681	\$3,563	3,303
Home economics	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--
Law	1,997	2,678	2,334	3,322	3,929	--
Letters	2,315	2,976	2,538	9,210	--	8,562
Liberal/general studies	1,428	1,412	1,424	3,212	--	--
Library and archival sciences	--	--	--	--	--	--
Life sciences	1,182	2,644	1,975	4,599	--	14,687
Mathematics	2,392	3,483	2,724	4,259	--	20,641
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	--	--	--	--	--	--
Parks and recreation	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	2,376	3,207	2,730	8,108	--	14,248
Physical sciences	1,869	3,082	2,345	5,260	--	11,611
Psychology	1,463	3,287	2,459	3,680	--	8,136
Public affairs and protective services	1,733	2,235	2,071	3,567	--	10,071
Social sciences	1,630	2,720	2,119	4,981	--	9,944
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	2,730	4,181	3,471	7,229	--	10,575
Other	--	--	--	--	--	--
Total	2,078	3,064	2,593	4,056	3,699	8,767

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.

2. Excludes medical school data.

SOURCE: Data provided by Temple University, 2001; CIP classifications- U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 8E

STATE-OWNED UNIVERSITIES
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
 2000-01

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total under-graduate	Master's	First professional	Doctor's
Agriculture	\$1,232	\$2,389	\$1,347	\$5,563	--	--
Architecture and environmental design	3,115	4,890	4,535	--	--	--
Area and ethnic studies	2,554	3,644	2,961	4,547	--	--
Business	2,350	3,629	3,066	4,366	--	--
Communications	2,449	3,778	2,980	5,828	--	--
Computer and information sciences	2,789	4,506	3,207	5,102	--	--
Consumer, personal and miscellaneous services	1,134	--	1,134	--	--	--
Education ²	2,010	3,925	3,112	3,147	--	\$5,588
Engineering	4,033	5,231	4,646	9,148	--	--
Foreign languages	2,961	6,612	3,441	3,803	--	--
Health ²	3,159	5,594	4,639	5,159	--	1,764
Home economics ²	2,105	3,671	2,958	10,675	--	4,284
Industrial arts	1,917	2,769	2,290	3,789	--	--
Law	2,424	2,191	2,345	3,141	--	--
Letters ²	2,623	4,226	2,928	5,912	--	8,060
Liberal/general studies	2,649	1,733	2,452	874	--	--
Library and archival sciences	2,983	4,609	4,090	3,679	--	--
Life sciences	2,773	7,033	3,581	11,217	--	--
Mathematics	2,506	5,282	2,760	6,098	--	--
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	2,174	5,944	2,717	2,874	--	--
Parks and recreation	2,741	4,038	3,262	6,875	--	--
Personal and social development	3,687	3,444	3,663	3,574	--	--
Philosophy, religion and theology	2,277	3,944	2,544	6,571	--	--
Physical sciences	3,088	10,205	3,808	15,012	--	--
Psychology ²	1,858	3,655	2,425	4,283	--	10,483
Public affairs and protective services	2,209	3,934	3,095	4,252	--	--
Social sciences ²	1,935	4,136	2,390	6,891	--	9,462
Trade and industrial	3,102	5,514	3,633	--	--	--
Visual and performing arts	2,612	7,058	3,567	13,939	--	--
Other	1,530	4,649	2,711	3,791	--	--
Total	2,404	4,430	3,031	4,168	--	4,921

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.

2. Doctor's level includes only Indiana University and/or Slippery Rock University.

SOURCE: Data provided by the individual State-owned universities, 2001; CIP classifications- U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs*, 1991.

Table 9

AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL ¹
 2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Undergraduate									Master's		
	Lower division			Upper division			Total undergraduate			Percentage change		
	Class size	One-year	Five-year average	Class size	One-year	Five-year average	Class size	One-year	Five-year average	Class size	One-year	Five-year average
State-related												
Lincoln	20	0%	-1%	13	0%	0%	17	-6%	-1%	14	0%	-1%
Penn State	29	0	-1	26	-4	0	28	0	-1	15	7	1
Pittsburgh	31	0	1	24	4	0	28	0	1	17	0	0
Temple	27	4	-1	22	0	-1	24	4	-1	14	0	-1
Total	29	0	-1	24	-4	0	27	0	0	15	0	-1
State-owned												
Bloomsburg	28	4	4	18	-5	4	24	0	4	12	0	2
California	28	-3	-1	17	0	0	23	-4	-1	12	9	-3
Cheyney	21	11	2	14	17	5	18	6	3	18	-5	6
Clarion	35	3	1	15	0	0	26	4	2	11	0	-2
East Stroudsburg	27	-4	-1	17	-6	-2	23	-4	-2	17	6	0
Edinboro	27	4	1	18	0	1	23	0	0	9	0	-2
Indiana	31	11	1	15	7	1	23	10	1	11	38	2
Kutztown	31	3	2	16	7	1	24	4	2	14	0	2
Lock Haven ²	29	--	--	18	--	--	25	--	--	14	--	--
Mansfield	24	-8	-2	14	-18	11	19	-14	5	15	7	18
Millersville	25	0	-1	18	-5	-1	22	-4	-1	17	-6	4
Shippensburg	30	3	1	22	5	8	27	4	3	14	8	-1
Slippery Rock	31	0	0	16	0	0	24	-4	0	11	0	a
West Chester	24	-4	0	14	-7	0	20	0	1	11	0	0
Total	28	0	1	16	0	1	23	0	1	13	8	2
All universities	29	4	1	20	0	1	25	0	1	14	0	0

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

2. 1999-00 data repeated.

a. The master's level includes the doctor's level prior to 1996-97.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIDENCE
2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Undergraduate						Graduate ¹					
	In-State			Out-of-State			In-State			Out-of-State		
	Tuition and required fees	Percentage change One-year	Five-year average	Tuition and required fees	Percentage change One-year	Five-year average	Tuition and required fees	Percentage change One-year	Five-year average	Tuition and required fees	Percentage change One-year	Five-year average
State-related												
Lincoln	\$5,026	4%	5%	\$8,192	6%	7%	\$6,394	4%	4%	\$10,940	6%	6%
Penn State ²	6,852	6	6	14,394	6	5	7,620	6	6	15,286	6	5
Pittsburgh ²	7,002	5	5	14,684	5	5	9,234	5	5	18,506	5	5
Temple	6,948	5	5	12,322	5	4	8,748	5	6	11,916	5	5
Average	6,457	5	5	12,398	5	5	7,999	5	5	14,162	6	5
State-owned												
Bloomsburg	4,668	5	4	10,356	5	3	4,856	9	6	7,726	6	4
California	4,937	4	4	10,625	4	3	5,173	8	6	8,043	5	4
Cheyney	4,447	7	4	10,135	6	3	4,618	11	6	7,488	7	4
Clarion	4,927	5	4	6,823	5	-5	5,088	7	6	7,958	5	4
East Stroudsburg	4,718	5	3	10,406	5	3	4,908	9	5	7,778	6	4
Edinboro	4,569	5	3	6,465	5	-5	5,156	9	6	8,026	6	4
Indiana	4,617	4	4	10,305	5	3	4,882	10	6	7,752	7	4
Kutztown	4,667	5	4	10,355	5	3	4,899	9	6	7,769	6	4
Lock Haven	4,548	7	4	8,236	7	-1	4,928	11	6	7,798	7	4
Mansfield	4,766	5	5	10,454	5	4	4,946	14	7	7,810	9	5
Millersville	4,804	5	3	10,492	5	3	5,150	8	5	8,020	6	4
Shippensburg	4,746	4	4	10,434	5	3	4,852	8	5	7,722	6	4
Slippery Rock	4,684	4	3	10,372	5	3	5,290	9	6	8,590	12	6
West Chester	4,630	5	4	10,318	5	3	4,856	9	6	7,726	6	4
Average	4,695	5	4	9,698	5	2	4,972	9	6	7,872	7	4

1. Excludes first-professional level.

2. Main campus data only.

SOURCE: Pennsylvania Department of Education, *Colleges and Universities -Basic Student Charges*, 1995-96; Pennsylvania Department of Education, *Colleges and Universities -Education Digest*, 1996-97 to 2000-01.

Table 11

TUITION AND FEE REVENUES RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
 2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Total tuition and fee revenues			Tuition and fee revenues per FTE student			
	Amount (000s)	Percentage change One- year	Five-year average	Amount	One-year change	Percentage change One- year	Five-year average
State-related							
Lincoln	\$13,044	-5%	9%	\$6,960	\$180	3%	4%
Penn State	566,133	10	7	8,060	620	8	4
Pittsburgh	275,572	5	6	9,260	360	4	4
Temple	237,683	11	8	9,430	540	6	7
Total	1,092,432	9	7	8,600	550	7	5
State-owned							
Bloomsburg	37,719	9	6	5,120	450	10	5
California	26,593	7	3	4,720	190	4	3
Cheyney	7,810	3	6	5,480	180	3	4
Clarion	28,929	15	7	4,890	560	13	5
East Stroudsburg	31,827	11	6	5,690	520	10	5
Edinboro	32,718	10	3	4,840	260	6	3
Indiana	70,472	11	5	5,410	390	8	4
Kutztown	37,673	9	6	5,230	410	9	5
Lock Haven	18,823	15	8	4,530	90	2	2
Mansfield	15,894	17	7	5,510	660	14	6
Millersville	38,925	20	5	5,490	750	16	5
Shippensburg	32,515	16	6	5,130	480	10	5
Slippery Rock	34,086	12	4	5,050	470	10	4
West Chester	62,886	15	10	5,670	580	11	6
Total	476,870	12	6	5,230	450	9	4
All universities	1,569,302	10	6	7,190	500	7	5

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.

SOURCE: Tuition and fee revenues - data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1996 to 2001; FTE students - data provided by the individual universities, 1996 to 2001.

Table 12

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Total instructional appropriations			Instructional appropriations per FTE student			
	Amount (000s)	Percentage change		Amount	One-year change	Percentage change	
		One- year	Five-year average			One- year	Five-year average
State-related							
Lincoln	\$12,942	14%	7%	\$6,900	\$1,300	23%	2%
Penn State	243,275	3	3	3,460	50	1	1
Pittsburgh	149,760	a	3	5,030	-30	-1	1
Temple	157,182	3	3	6,230	-80	-1	2
Total	563,159	2	3	4,430	30	1	1
State-owned							
Bloomsburg	34,254	5	3	4,650	250	6	2
California	31,199	5	3	5,540	90	2	2
Cheyney	14,395	-2	2	10,100	-120	-1	a
Clarion	32,652	6	3	5,520	210	4	1
East Stroudsburg	25,205	6	5	4,510	210	5	3
Edinboro	32,824	3	3	4,860	-50	-1	3
Indiana	60,501	3	1	4,650	10	a	a
Kutztown	33,608	7	3	4,670	270	6	2
Lock Haven	21,205	6	5	5,100	-320	-6	a
Mansfield	18,553	a	3	6,430	-180	-3	3
Millersville	34,701	6	2	4,900	120	3	2
Shippensburg	32,312	5	4	5,090	-10	a	3
Slippery Rock	34,548	5	2	5,120	170	3	3
West Chester	46,200	5	4	4,160	90	2	a
Total ²	452,157	4	3	4,960	90	2	2
All universities ²	1,015,316	3	3	4,650	60	1	1

1. Instructional appropriations include educational and general appropriations and, for 1995-96, Tuition Challenge Grants. 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 State System of Higher Education.

a. Rounds to less than 1 percent.

SOURCE: Instructional appropriations - *Governor's Executive Budget*, 1997-98 to 2001-02; data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1996 to 2001. FTE students - data provided by the individual universities, 1996 to 2001.

Table 13

TUITION AND FEE REVENUES, COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS AND STUDENT AID
RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
2000-01, CHANGE FROM 1999-00 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1995-96 to 2000-01)

University	Per FTE student			Ratio of instructional appropriations to total instructional revenues			Student aid per FTE student ²
	Tuition and fee revenues	Instructional appropriations	Total instructional revenues	Percentage	Percentage change		
					One-year	Five-year average	
State-related							
Lincoln	\$6,960	\$6,900	\$13,860	50%	11%	-1%	\$555
Penn State	8,060	3,460	11,520	30	-3	-2	666
Pittsburgh	9,260	5,030	14,290	35	-3	-2	694
Temple	9,430	6,230	15,660	40	-5	-2	566
Total	8,600	4,430	13,030	34	-3	-2	651
State-owned							
Bloomsburg	5,120	4,650	9,770	48	-2	-1	684
California	4,720	5,540	10,260	54	-2	a	795
Cheyney	5,480	10,100	15,580	65	-2	-1	860
Clarion	4,890	5,520	10,410	53	-4	-1	878
East Stroudsburg	5,690	4,510	10,200	44	-2	-1	520
Edinboro	4,840	4,860	9,700	50	-4	0	759
Indiana	5,410	4,650	10,060	46	-4	-2	803
Kutztown	5,230	4,670	9,900	47	-2	-1	592
Lock Haven	4,530	5,100	9,630	53	-4	-1	732
Mansfield	5,510	6,430	11,940	54	-7	-1	796
Millersville	5,490	4,900	10,390	47	-6	-1	628
Shippensburg	5,130	5,090	10,220	50	-4	-1	642
Slippery Rock	5,050	5,120	10,170	50	-4	-1	722
West Chester	5,670	4,160	9,830	42	-5	-3	483
Total ³	5,230	4,960	10,190	49	-2	-1	688
All universities ³	7,190	4,650	11,840	39	-2	-1	667

1. Tuition and fee revenues are based on collections by the individual universities. Instructional appropriations include educational and general appropriations and, for 1995-96, Tuition Challenge Grants. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.

2. Includes grants and matching funds. Does not include student loans.

3. Instructional appropriations exclude amount allocated to Office of the Chancellor and the System Reserve of the State System of Higher Education.

SOURCE: Tuition and fee revenues - data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1996 to 2001; instructional appropriations - *Governor's Executive Budget*, 1997-98 to 2001-02; data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1996 to 2001; FTE students - data provided by the individual universities, 1996 to 2001; student aid - data provided by the Pennsylvania Higher Education Assistance Agency, October 2001.

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II. HISTORICAL DATA

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Historical Table 1

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL ¹
1995-96 to 2000-01

University	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
State-related						
Lincoln						
Total	1,546	1,865	2,064	2,075	2,028	1,875
Undergraduate	1,317	1,573	1,641	1,599	1,515	1,408
Graduate	229	292	423	476	513	467
Penn State						
Total	64,137	65,811	67,456	69,061	69,227	70,240
Undergraduate	57,601	59,317	61,110	62,808	62,954	63,787
Graduate	6,536	6,494	6,346	6,253	6,273	6,453
Pittsburgh						
Total	27,565	27,738	28,489	29,222	29,563	29,769
Undergraduate	20,040	19,929	20,457	21,336	21,756	21,983
Graduate	7,525	7,809	8,032	7,886	7,807	7,786
Temple						
Total	24,399	23,455	22,989	23,286	24,162	25,214
Undergraduate	17,711	16,939	16,643	16,326	16,908	18,051
Graduate	6,688	6,516	6,346	6,960	7,254	7,163
State-owned						
Bloomsburg						
Total	7,026	7,225	7,338	7,322	7,408	7,369
Undergraduate	6,582	6,793	6,902	6,851	6,924	6,843
Graduate	444	432	436	471	484	526
California						
Total	5,547	5,226	5,422	5,439	5,468	5,634
Undergraduate	4,690	4,473	4,654	4,646	4,735	4,788
Graduate	857	753	768	793	733	846
Cheyney						
Total	1,303	1,293	1,313	1,293	1,431	1,425
Undergraduate	1,099	1,079	1,025	969	987	1,045
Graduate	204	214	288	324	444	380
Clarion						
Total	5,534	5,605	5,695	5,680	5,803	5,911
Undergraduate	5,234	5,300	5,416	5,425	5,509	5,608
Graduate	300	305	279	255	294	303
East Stroudsburg						
Total	5,263	5,325	5,514	5,608	5,561	5,592
Undergraduate	4,597	4,704	4,857	4,912	4,881	4,844
Graduate	666	621	657	696	680	748
Edinboro						
Total	6,840	6,678	6,525	6,541	6,504	6,754
Undergraduate	6,393	6,258	6,132	6,138	6,092	6,300
Graduate	447	420	393	403	412	454
Indiana						
Total	12,764	12,859	12,954	12,997	12,680	13,019
Undergraduate	11,729	11,739	11,805	11,851	11,583	11,775
Graduate	1,035	1,120	1,149	1,146	1,097	1,244
Kutztown						
Total	6,758	6,791	6,892	6,933	7,162	7,203
Undergraduate	6,326	6,383	6,461	6,489	6,696	6,719
Graduate	432	408	431	444	466	484
Lock Haven						
Total	3,243	3,283	3,403	3,590	3,696	4,158
Undergraduate	3,236	3,223	3,300	3,472	3,529	4,004
Graduate	7	60	103	118	167	154
Mansfield						
Total	2,810	2,801	2,757	2,663	2,808	2,886
Undergraduate	2,658	2,653	2,620	2,556	2,700	2,757
Graduate	152	148	137	107	108	129
Millersville						
Total	6,920	6,842	6,944	6,877	6,866	7,089
Undergraduate	6,100	6,046	6,130	6,042	5,994	6,120
Graduate	820	796	814	835	872	969
Shippensburg						
Total	5,989	6,057	6,089	6,110	6,038	6,343
Undergraduate	5,459	5,519	5,561	5,580	5,556	5,844
Graduate	530	538	528	530	482	499
Slippery Rock						
Total	6,908	6,717	6,667	6,584	6,646	6,755
Undergraduate	6,317	6,130	6,066	5,946	6,024	6,180
Graduate	591	587	601	638	622	575
West Chester						
Total	9,578	9,724	10,055	10,417	10,771	11,097
Undergraduate	8,653	8,765	9,021	9,420	9,757	9,966
Graduate	925	959	1,034	997	1,014	1,131

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

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
TOTAL YEAR AND SUMMER 1995-96 to 2000-01
(in thousands)

University	Total year								Total under-graduate	Summer	
	Lower division	Upper division	Total under-graduate	Master's	First professional	Doctor's	Total graduate	Grand total		Total graduate	Grand total
State-related											
Lincoln											
1995-96	30	10	40	6	na	na	6	46	2	1	3
1996-97	37	10	47	7	na	na	7	54	2	1	3
1997-98	38	11	49	10	na	na	10	59	2	1	3
1998-99	37	11	48	11	na	na	11	59	2	1	3
1999-00	33	13	46	12	na	na	12	58	1	2	3
2000-01	31	11	42	11	na	na	11	53	1	1	2
Penn State											
1995-96	1,131	597	1,728	90	na	67	157	1,885	103	23	126
1996-97	1,171	608	1,779	89	na	67	156	1,935	107	23	130
1997-98	1,160	673	1,833	85	na	67	152	1,985	108	23	131
1998-99	1,166	718	1,884	77	na	73	150	2,034	110	21	131
1999-00	1,141	748	1,889	79	na	71	150	2,039	108	19	127
2000-01	1,169	745	1,914	78	na	77	155	2,069	112	21	133
Pittsburgh											
1995-96	398	203	601	120	39	22	181	782	49	30	79
1996-97	403	195	598	123	43	22	188	786	47	34	81
1997-98	421	192	613	126	45	22	193	806	47	35	82
1998-99	439	201	640	119	49	21	189	829	46	35	81
1999-00	448	205	653	116	52	20	188	841	44	34	78
2000-01	447	212	659	114	55	18	187	846	43	34	77
Temple											
1995-96	251	280	531	86	54	20	160	691	52	22	74
1996-97	233	275	508	85	53	18	156	664	48	21	69
1997-98	223	276	499	83	52	17	152	651	47	21	68
1998-99	215	275	490	82	69	16	167	657	47	20	67
1999-00	231	276	507	82	76	16	174	681	46	22	68
2000-01	258	283	541	82	72	18	172	713	46	22	68
State-owned											
Bloomsburg											
1995-96	137	61	198	11	na	na	11	209	18	4	22
1996-97	146	58	204	10	na	na	10	214	16	4	20
1997-98	147	60	207	10	na	na	10	217	17	4	21
1998-99	145	60	205	11	na	na	11	216	17	4	21
1999-00	144	63	207	12	na	na	12	219	18	4	22
2000-01	147	59	206	13	na	na	13	219	17	5	22
California											
1995-96	100	41	141	21	na	na	21	162	7	5	12
1996-97	89	45	134	18	na	na	18	152	7	5	12
1997-98	95	45	140	18	na	na	18	158	7	5	12
1998-99	95	44	139	19	na	na	19	158	7	6	13
1999-00	97	45	142	18	na	na	18	160	7	5	12
2000-01	97	46	143	20	na	na	20	163	7	7	14
Cheyney											
1995-96	24	9	33	5	na	na	5	38	1	1	2
1996-97	23	9	32	5	na	na	5	37	1	1	2
1997-98	22	9	31	7	na	na	7	38	1	1	2
1998-99	20	9	29	8	na	na	8	37	1	a	1
1999-00	22	8	30	11	na	na	11	41	1	2	3
2000-01	24	8	32	9	na	na	9	41	1	4	5
Clarion											
1995-96	111	46	157	7	na	na	7	164	9	2	11
1996-97	115	44	159	7	na	na	7	166	9	2	11
1997-98	117	45	162	7	na	na	7	169	9	2	11
1998-99	119	44	163	6	na	na	6	169	10	1	11
1999-00	119	47	166	7	na	na	7	173	10	2	12
2000-01	122	46	168	7	na	na	7	175	10	2	12
East Stroudsburg											
1995-96	101	37	138	16	na	na	16	154	13	7	20
1996-97	100	41	141	15	na	na	15	156	12	6	18
1997-98	103	43	146	16	na	na	16	162	12	6	18
1998-99	103	44	147	17	na	na	17	164	13	7	20
1999-00	102	45	147	16	na	na	16	163	13	6	19
2000-01	102	44	146	18	na	na	18	164	12	6	18

Edinboro												
1995-96	129	63	192	11	na	na	11	203	11	3	14	
1996-97	123	64	187	10	na	na	10	197	12	2	14	
1997-98	121	63	184	9	na	na	9	193	12	2	14	
1998-99	121	63	184	10	na	na	10	194	12	2	14	
1999-00	120	63	183	10	na	na	10	193	12	2	14	
2000-01	127	62	189	11	na	na	11	200	11	3	14	
Indiana												
1995-96	242	110	352	20	na	5	25	377	26	7	33	
1996-97	243	109	352	20	na	7	27	379	25	8	33	
1997-98	244	110	354	21	na	7	28	382	26	8	34	
1998-99	244	112	356	21	na	6	27	383	26	8	34	
1999-00	236	111	347	21	na	6	27	374	27	8	35	
2000-01	247	106	353	23	na	7	30	383	26	9	35	
Kutztown												
1995-96	125	65	190	10	na	na	10	200	8	3	11	
1996-97	125	66	191	10	na	na	10	201	7	3	10	
1997-98	128	66	194	10	na	na	10	204	7	3	10	
1998-99	128	67	195	11	na	na	11	206	8	3	11	
1999-00	133	67	200	11	na	na	11	211	8	3	11	
2000-01	134	68	202	12	na	na	12	214	7	3	10	
Lock Haven												
1995-96	67	30	97	a	na	na	a	97	5	a	5	
1996-97	67	30	97	1	na	na	1	98	5	a	5	
1997-98	68	31	99	2	na	na	2	101	6	1	7	
1998-99	70	35	105	3	na	na	3	108	6	1	7	
1999-00	75	31	106	4	na	na	4	110	7	1	8	
2000-01	84	36	120	4	na	na	4	124	7	1	8	
Mansfield												
1995-96	48	31	79	4	na	na	4	83	5	1	6	
1996-97	48	32	80	3	na	na	3	83	5	1	6	
1997-98	48	31	79	3	na	na	3	82	5	1	6	
1998-99	47	30	77	3	na	na	3	80	5	1	6	
1999-00	49	32	81	3	na	na	3	84	4	1	5	
2000-01	51	31	82	3	na	na	3	85	5	1	6	
Millersville												
1995-96	116	67	183	20	na	na	20	203	13	13	26	
1996-97	115	66	181	19	na	na	19	200	13	11	24	
1997-98	116	68	184	19	na	na	19	203	13	11	24	
1998-99	116	65	181	20	na	na	20	201	11	12	23	
1999-00	116	64	180	21	na	na	21	201	10	13	23	
2000-01	121	62	183	23	na	na	23	206	10	15	25	
Shippensburg												
1995-96	118	46	164	13	na	na	13	177	8	4	12	
1996-97	121	45	166	13	na	na	13	179	8	4	12	
1997-98	119	48	167	13	na	na	13	180	7	4	11	
1998-99	117	50	167	13	na	na	13	180	7	4	11	
1999-00	118	49	167	12	na	na	12	179	8	3	11	
2000-01	125	51	176	12	na	na	12	188	8	4	12	
Slippery Rock												
1995-96	133	56	189	14	na	b	14	203	14	4	18	
1996-97	128	56	184	9	na	5	14	198	13	3	16	
1997-98	127	55	182	9	na	6	15	197	13	3	16	
1998-99	126	53	179	9	na	6	15	194	13	3	16	
1999-00	127	53	180	9	na	6	15	195	13	4	17	
2000-01	133	53	186	8	na	5	13	199	13	4	17	
West Chester												
1995-96	169	91	260	22	na	na	22	282	20	6	26	
1996-97	174	89	263	23	na	na	23	286	20	6	26	
1997-98	184	87	271	25	na	na	25	296	20	7	27	
1998-99	192	90	282	24	na	na	24	306	24	7	31	
1999-00	197	96	293	24	na	na	24	317	26	7	33	
2000-01	202	97	299	27	na	na	27	326	26	8	34	

1. Data for each year represent the summer term preceding the academic year plus the academic year. The first-professional level excludes medical school data.

a. Rounds to less than one thousand student credit hours.

b. Included in master's level.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 3

DEGREES CONFERRED ¹
1995-96 to 2000-01

University	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
State-related						
Lincoln						
Total	310	328	318	364	501	423
Bachelor's	240	219	185	194	285	199
Graduate	70	109	133	170	216	224
Penn State						
Total	11,049	11,484	11,686	12,583	13,150	13,578
Bachelor's	8,716	8,993	9,059	10,044	10,585	11,065
Graduate	2,333	2,491	2,627	2,539	2,565	2,513
Pittsburgh						
Total	6,543	6,668	6,514	6,533	6,578	6,771
Bachelor's	3,885	3,962	3,854	3,784	3,915	4,219
Graduate	2,658	2,706	2,660	2,749	2,663	2,552
Temple						
Total	5,538	5,472	5,534	5,497	5,519	5,553
Bachelor's	3,162	3,070	3,212	3,135	3,164	3,249
Graduate	2,376	2,402	2,322	2,362	2,355	2,304
State-owned						
Bloomsburg						
Total	1,553	1,469	1,464	1,431	1,537	1,524
Bachelor's	1,323	1,231	1,239	1,196	1,316	1,296
Graduate	230	238	225	235	221	228
California						
Total	1,235	1,255	1,238	1,260	1,110	1,078
Bachelor's	911	906	921	929	809	821
Graduate	324	349	317	331	301	257
Cheyney						
Total	223	263	271	239	309	306
Bachelor's	132	147	178	137	143	123
Graduate	91	116	93	102	166	183
Clarion						
Total	1,039	1,004	1,010	925	1,041	1,103
Bachelor's	890	863	850	774	888	931
Graduate	149	141	160	151	153	172
East Stroudsburg						
Total	1,068	1,034	1,047	1,038	1,128	1,034
Bachelor's	824	788	821	799	902	775
Graduate	244	246	226	239	226	259
Edinboro						
Total	1,312	1,298	1,251	1,142	1,283	1,160
Bachelor's	1,131	1,094	1,066	1,010	1,138	1,014
Graduate	181	204	185	132	145	146
Indiana						
Total	2,656	2,446	2,604	2,604	2,713	2,633
Bachelor's	2,110	1,956	2,060	2,063	2,119	2,114
Graduate	546	490	544	541	594	519
Kutztown						
Total	1,310	1,362	1,313	1,366	1,504	1,391
Bachelor's	1,086	1,147	1,111	1,138	1,237	1,140
Graduate	224	215	202	228	267	251
Lock Haven						
Total	584	586	582	660	645	677
Bachelor's	582	583	557	638	609	640
Graduate	2	3	25	22	36	37
Mansfield						
Total	528	581	540	570	513	536
Bachelor's	467	490	456	508	461	492
Graduate	61	91	84	62	52	44
Millersville						
Total	1,380	1,398	1,439	1,451	1,383	1,390
Bachelor's	1,229	1,219	1,257	1,268	1,212	1,214
Graduate	151	179	182	183	171	176
Shippensburg						
Total	1,422	1,471	1,383	1,492	1,410	1,424
Bachelor's	1,139	1,161	1,070	1,183	1,144	1,131
Graduate	283	310	313	309	266	293
Slippery Rock						
Total	1,362	1,366	1,256	1,342	1,245	1,231
Bachelor's	1,151	1,153	1,095	1,145	1,062	1,046
Graduate	211	213	161	197	183	185
West Chester						
Total	1,877	1,841	1,903	1,990	2,150	2,117
Bachelor's	1,492	1,489	1,509	1,559	1,731	1,691
Graduate	385	352	394	431	419	426

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 Pittsburgh and Temple, and doctor's at Penn State, Pittsburgh, Temple, Indiana and Slippery Rock.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 4

NUMBER AND AVERAGE WEEKLY STUDENT CONTACT HOURS OF FULL-TIME EMPLOYED FACULTY BY ACADEMIC LEVEL ¹
FALL 1995 to FALL 2000

University	Full-time employed faculty ²						Undergraduate						Graduate					
							average weekly student contact hours						average weekly student contact hours					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
State-related																		
Lincoln	81	86	94	93	93	96	9.7	10.3	10.4	10.7	11.6	11.5	.8	.9	.9	.9	0.7	0.8
Penn State	3,000	3,026	2,975	3,096	3,178	3,315	6.6	6.7	6.8	6.4	6.6	6.6	1.8	1.8	1.7	1.7	1.7	1.6
Pittsburgh	1,721	1,733	1,780	1,782	1,731	1,780	4.8	4.4	4.4	4.5	4.4	4.2	4.2	4.0	3.8	3.7	3.7	3.5
Temple	1,088	1,078	1,033	1,025	1,045	1,099	5.3	5.6	5.4	5.5	5.6	5.7	4.0	3.9	3.7	4.1	3.9	3.6
Total	5,890	5,923	5,882	5,996	6,047	6,290	5.9	5.9	5.9	5.7	5.9	5.8	2.9	2.8	2.6	2.7	2.6	2.5
State-owned																		
Bloomsburg	366	368	372	370	360	363	11.1	11.3	11.2	11.0	11.2	11.0	.8	.8	.8	.9	0.9	1.0
California	286	259	257	267	261	260	10.2	10.0	10.5	10.0	10.1	9.7	1.6	1.6	1.7	1.7	1.5	1.8
Cheyney ³	90	91	87	87	90	79	10.5	11.0	11.0	11.0	11.1	10.2	1.3	1.0	1.0	1.0	1.5	1.7
Clarion	346	340	339	339	324	337	10.5	10.9	10.5	11.1	10.8	10.8	.9	.8	.8	.8	0.9	0.7
East Stroudsburg	263	251	246	250	256	259	10.9	10.9	11.2	11.0	10.7	10.7	1.0	1.1	1.1	1.2	1.1	1.1
Edinboro	363	380	345	336	341	346	12.8	12.8	13.2	13.1	12.2	12.4	.9	.9	1.0	1.0	1.2	1.3
Indiana	715	720	726	743	721	745	9.8	10.2	10.1	10.0	10.1	9.9	1.3	1.2	1.1	1.4	1.3	1.3
Kutztown	357	373	364	372	380	377	11.4	11.0	11.3	11.3	11.3	11.2	.7	.5	.6	.6	0.6	0.6
Lock Haven	202	185	197	199	206	225	11.8	10.9	11.1	11.5	11.9	11.8	.1	.1	.1	.2	0.2	0.2
Mansfield	176	167	161	150	149	165	10.6	10.6	11.1	11.0	11.2	10.9	.3	.4	.1	.6	0.7	0.4
Millersville	332	328	324	313	317	312	10.3	10.1	10.6	10.6	10.6	10.4	.9	.8	.7	.8	0.9	0.9
Shippensburg	312	308	299	288	288	287	10.4	10.2	9.8	9.7	10.2	9.7	1.0	.9	1.0	.9	0.8	0.9
Slippery Rock	378	369	371	362	359	353	10.4	9.9	9.4	9.7	10.0	9.8	.7	.8	.8	.8	0.9	0.9
West Chester	541	530	543	558	566	580	10.6	10.6	10.3	10.4	10.1	10.2	1.5	1.5	1.5	1.6	1.6	1.4
Total	4,727	4,669	4,631	4,634	4,618	4,688	10.8	10.7	10.7	10.7	10.7	10.5	1.0	.9	.9	1.0	1.0	1.1
All universities	10,617	10,592	10,513	10,630	10,665	10,978	8.0	7.9	7.9	7.9	7.9	7.8	2.1	2.0	1.9	2.0	2.0	1.9

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.

3. No data for Fall 1998; Fall 1997 data repeated.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK¹
 1995-96 to 2000-01
 (Dollars in thousands)

University	FTE instructional faculty	Average instructional salaries					No rank ²
		All faculty	Professor	Associate professor	Assistant professor	Instructor	
State-related							
Lincoln							
1995-96	104	\$33.7	\$47.3	\$40.0	\$31.2	\$26.9	\$27.3
1996-97	121	33.2	51.8	42.2	31.0	26.1	24.3
1997-98	135	32.4	54.1	39.8	29.8	21.7	24.6
1998-99	138	34.1	55.3	42.8	32.2	22.4	26.3
1999-00	137	34.2	54.1	40.4	32.4	22.1	24.2
2000-01	129	34.6	55.3	42.9	33.1	20.7	22.4
Penn State							
1995-96	3,482	45.1	75.4	52.6	42.6	32.7	30.4
1996-97	3,557	45.5	76.4	53.8	43.8	31.2	30.0
1997-98	3,654	48.1	83.6	56.7	46.3	33.3	31.0
1998-99	3,754	50.0	85.4	58.6	47.9	35.8	32.6
1999-00	3,842	52.2	89.8	60.8	51.0	38.8	34.8
2000-01	3,924	52.3	91.7	63.0	51.4	35.2	34.7
Pittsburgh							
1995-96	1,907	43.8	70.6	48.4	37.6	25.1	32.9
1996-97	1,855	44.9	71.7	49.6	38.4	25.6	32.2
1997-98	1,833	47.8	75.0	52.0	41.0	28.5	33.7
1998-99	1,799	47.0	74.1	52.2	41.6	28.1	34.1
1999-00	1,811	47.6	77.7	53.3	43.4	28.4	33.7
2000-01	1,801	49.6	81.9	56.3	45.7	29.6	36.4
Temple							
1995-96	1,445	45.4	70.4	54.7	38.7	21.9	20.6
1996-97	1,426	46.0	71.3	54.9	39.3	21.4	21.9
1997-98	1,365	47.1	72.0	56.1	41.0	22.6	20.5
1998-99	1,399	48.1	76.4	57.7	41.3	25.1	21.2
1999-00	1,451	49.1	78.3	59.5	42.3	26.9	24.4
2000-01	1,498	52.3	80.6	60.4	43.3	29.3	32.8
State-owned							
Bloomsburg							
1995-96	392	52.4	66.1	53.4	42.0	31.8	61.8
1996-97	397	51.7	65.1	53.7	43.1	31.8	na
1997-98	405	52.7	67.7	54.7	42.5	31.7	na
1998-99	398	53.9	68.6	56.8	43.5	32.2	na
1999-00	403	56.0	72.1	58.5	45.7	33.6	na
2000-01	393	57.0	72.4	59.3	46.0	35.4	na
California							
1995-96	285	54.7	68.6	56.4	44.0	26.9	47.2
1996-97	272	54.0	66.8	53.8	43.3	22.0	49.0
1997-98	279	53.4	66.8	54.8	44.8	26.6	45.5
1998-99	282	55.8	71.1	55.7	44.6	30.7	29.8
1999-00	282	57.2	73.4	49.0	51.5	35.1	47.9
2000-01	314	49.5	65.3	41.9	46.5	29.7	49.8
Cheyney							
1995-96	96	52.9	69.2	54.1	43.1	34.0	0
1996-97	99	50.0	64.2	50.6	41.1	33.8	0
1997-98	103	51.0	63.4	54.0	45.3	33.6	na
1998-99	106	58.1	76.6	58.7	54.0	39.4	na
1999-00	105	53.8	77.3	64.3	46.0	30.3	na
2000-01	96	60.0	83.6	71.9	52.0	36.1	na
Clarion							
1995-96	327	53.4	68.4	56.1	43.1	32.7	na
1996-97	327	53.0	69.2	55.5	42.6	31.0	na
1997-98	326	53.9	69.4	58.0	42.6	31.8	na
1998-99	320	56.0	74.7	59.0	44.5	33.7	na
1999-00	319	55.3	74.1	57.6	44.9	33.0	50.7
2000-01	319	57.6	78.8	62.4	47.5	35.1	58.6
East Stroudsburg							
1995-96	302	51.5	63.4	52.5	42.0	20.2	na
1996-97 ^a	266	56.6	70.4	58.1	46.2	25.3	na
1997-98	277	55.4	68.8	59.6	44.2	25.1	na
1998-99	285	56.3	72.9	61.7	43.4	29.0	na
1999-00	286	57.4	75.9	61.8	45.1	28.9	na
2000-01	294	59.2	75.8	64.0	48.9	34.2	na

Edinboro							
1995-96	401	51.3	65.3	51.7	43.4	34.5	19.0
1996-97	393	51.8	67.2	54.3	43.5	36.6	na
1997-98	387	53.1	68.9	55.6	45.2	34.1	na
1998-99	385	54.8	71.0	56.5	46.1	35.5	na
1999-00	400	55.4	71.0	57.5	47.3	35.1	na
2000-01	399	57.3	74.8	59.7	49.3	37.5	na
Indiana							
1995-96	701	55.3	67.9	55.2	44.5	35.3	29.8
1996-97	729	54.0	67.2	54.7	43.0	32.5	32.9
1997-98	742	54.4	71.2	56.4	44.0	29.5	29.5
1998-99	763	52.1	67.5	54.1	41.2	31.8	28.2
1999-00	834	49.1	60.0	50.1	41.7	32.9	30.8
2000-01	811	53.1	66.5	53.4	43.8	34.8	38.5
Kutztown							
1995-96	371	55.0	70.6	56.6	43.9	31.2	57.7
1996-97	368	54.6	71.1	55.9	43.2	31.4	84.6
1997-98	374	55.0	72.0	57.9	44.0	32.1	112.8
1998-99	371	56.6	74.6	59.7	44.4	32.5	na
1999-00	380	58.0	77.8	61.9	46.3	32.0	na
2000-01	370	59.1	79.4	63.5	46.3	33.6	na
Lock Haven							
1995-96	181	52.9	68.9	59.1	43.2	36.0	36.0
1996-97	185	51.5	68.4	57.5	44.2	31.2	37.8
1997-98	194	50.0	74.0	55.8	44.8	27.9	na
1998-99	183	52.5	72.1	58.3	44.8	33.2	na
1999-00	205	52.6	75.6	59.4	43.8	32.9	na
2000-01	200	57.4	76.2	55.1	54.3	35.8	na
Mansfield							
1995-96	177	54.6	70.6	57.5	45.2	30.3	na
1996-97	175	54.8	70.7	55.3	45.2	30.9	na
1997-98	171	51.7	68.5	51.1	41.7	28.1	na
1998-99	172	54.3	70.1	58.0	45.1	26.3	94.4
1999-00	166	59.0	79.4	60.6	48.5	31.2	11.4
2000-01	197	59.8	79.4	66.5	47.8	29.2	na
Millersville							
1995-96	407	51.7	65.9	53.7	41.6	29.8	na
1996-97	397	52.2	66.5	54.2	41.3	29.8	na
1997-98	406	52.7	67.4	55.5	42.4	29.8	na
1998-99	406	53.7	70.0	57.1	43.3	30.9	na
1999-00	406	55.3	71.9	58.5	44.9	31.1	na
2000-01	408	56.5	73.3	59.2	45.7	32.7	na
Shippensburg							
1995-96	309	57.6	70.1	58.3	44.2	32.4	na
1996-97	308	56.8	69.7	57.1	44.6	33.4	na
1997-98	308	56.2	71.6	58.5	43.8	25.6	0
1998-99	300	57.4	73.2	60.9	46.0	28.8	na
1999-00	306	57.3	75.2	63.5	47.8	33.4	37.6
2000-01	319	57.9	78.4	63.2	47.6	33.5	na
Slippery Rock							
1995-96	371	54.5	67.1	54.7	44.2	36.0	0
1996-97	360	56.5	70.3	57.7	45.5	36.7	na
1997-98	358	57.1	68.8	60.6	47.1	38.9	0
1998-99	352	57.7	71.6	56.7	49.1	40.3	na
1999-00	351	57.4	71.4	57.7	48.2	39.7	85.1
2000-01	363	57.9	72.1	59.2	48.2	39.5	31.9
West Chester							
1995-96	577	50.0	67.1	55.1	44.3	30.1	34.4
1996-97	575	49.4	67.0	55.0	43.8	29.7	35.5
1997-98	591	49.9	68.0	55.8	45.4	29.7	33.0
1998-99	610	50.3	69.7	57.3	45.9	30.2	36.9
1999-00	629	51.0	71.0	58.5	46.6	31.4	34.5
2000-01	648	51.8	73.1	59.4	47.1	33.2	33.7

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.

a. FTE instructional faculty and average instructional salaries reflect a correction in the computational method used for determining full-time equivalent instructional faculty.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 6

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL¹
1995-96 to 2000-01

University	Lower division						Upper division						Total undergraduate						Master's					
	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
State-related																								
Lincoln	\$1,910	\$1,773	\$1,773	\$2,098	\$2,133	\$2161	\$3,573	\$3,865	\$3,738	\$3,381	\$3,376	\$3,594	\$2,323	\$2,214	\$2,205	\$2,395	\$2,475	\$2,547	\$1,893	\$1,857	\$1,767	\$1,820	\$1,787	\$1,861
Penn State	1,454	1,456	1,519	1,590	1,759	1,772	2,691	2,731	2,816	2,947	3,056	3,120	1,881	1,892	1,995	2,107	2,272	2,296	4,218	4,532	5,048	4,888	5,281	4,904
Pittsburgh	1,709	1,686	1,724	1,628	1,580	1,630	2,964	3,124	3,359	3,109	3,206	3,256	2,132	2,154	2,237	2,093	2,090	2,154	5,213	5,126	5,287	5,229	5,320	5,526
Temple	1,733	1,906	1,939	2,002	1,998	2,078	2,533	2,605	2,603	2,759	2,924	3,064	2,155	2,284	2,307	2,427	2,502	2,593	3,392	3,347	3,280	3,666	3,757	4,056
Total	1,556	1,569	1,622	1,655	1,751	1,785	2,709	2,780	2,864	2,931	3,051	3,130	1,990	2,019	2,100	2,157	2,272	2,318	4,336	4,379	4,556	4,563	4,718	4,787
State-owned																								
Bloomsburg	2,298	2,215	2,221	2,284	2,369	2,325	4,069	4,120	4,226	4,162	4,261	4,464	2,843	2,754	2,798	2,834	2,945	2,937	4,062	4,227	4,688	4,283	4,519	4,414
California	2,243	2,235	2,207	2,199	2,242	2,139	3,872	3,571	3,626	3,979	3,875	3,576	2,713	2,685	2,660	2,768	2,755	2,601	3,353	3,613	3,312	3,835	4,164	3,633
Cheyney	3,349	3,382	3,674	nd	4,283	4,094	5,977	5,285	6,165	nd	6,246	6,215	4,057	3,941	4,388	nd	4,806	4,624	3,036	3,319	2,659	nd	2,058	2,436
Clarion	2,351	2,276	2,259	2,386	2,215	2,306	4,760	4,761	4,769	4,846	4,789	4,809	3,062	2,966	2,961	3,054	2,939	2,992	4,907	5,003	5,496	5,374	4,914	5,272
East Stroudsburg	2,438	2,254	2,300	2,344	2,377	2,498	4,305	4,241	3,972	4,188	4,257	4,574	2,937	2,835	2,789	2,899	2,951	3,122	3,066	2,755	2,729	2,589	2,966	3,006
Edinboro	2,354	2,361	2,453	2,556	2,546	2,513	4,113	3,990	4,176	4,196	4,657	4,764	2,934	2,920	3,044	3,121	3,275	3,249	3,999	4,776	4,822	5,004	5,400	5,339
Indiana	2,036	2,015	2,062	2,032	2,140	2,265	4,373	4,419	4,535	4,422	4,680	4,762	2,763	2,763	2,832	2,786	2,955	3,020	5,793	6,160	6,023	5,963	6,190	5,772
Kutztown	2,136	2,017	2,056	2,081	2,111	2,067	4,473	4,508	4,566	4,616	4,782	4,694	2,937	2,876	2,910	2,951	3,008	2,950	4,219	4,302	4,096	4,129	4,096	4,216
Lock Haven	2,335	2,320	2,049	2,144	2,349	2,454	4,238	3,915	4,638	3,762	4,136	3,969	2,924	2,814	2,847	2,681	2,873	2,916	13,512	6,311	2,496	3,228	4,095	3,754
Mansfield	2,243	2,235	2,170	2,520	2,632	2,921	5,153	5,004	4,717	5,011	4,781	5,917	3,385	3,338	3,158	3,490	3,474	4,061	4,610	4,508	4,005	3,637	4,015	4,304
Millersville	2,591	2,695	2,776	2,841	2,907	2,893	3,732	3,633	3,661	3,766	4,161	4,091	3,010	3,036	3,103	3,175	3,355	3,299	3,272	2,947	2,853	3,138	2,684	2,960
Shippensburg	2,358	2,353	2,263	2,290	2,333	2,298	4,305	3,937	3,984	3,788	3,888	3,929	2,899	2,784	2,758	2,738	2,791	2,769	3,759	3,956	3,759	3,817	4,328	4,630
Slippery Rock ²	2,380	2,478	2,482	2,499	2,462	2,514	4,120	4,199	4,359	4,418	4,282	4,484	2,897	2,998	3,044	3,068	2,999	3,075	3,244	3,341	4,746	4,653	4,933	4,985
West Chester	2,426	2,349	2,291	2,314	2,322	2,384	3,741	3,660	3,872	3,864	3,844	3,908	2,885	2,793	2,799	2,808	2,820	2,879	4,228	4,128	4,119	4,260	4,528	4,307
Total ³	2,321	2,290	2,289	2,310	2,375	2,404	4,218	4,139	4,241	4,207	4,356	4,431	2,922	2,879	2,907	2,914	3,006	3,031	3,956	4,074	4,039	4,156	4,195	4,170
All universities ³	1,917	1,906	1,936	1,960	2,045	2,078	3,325	3,337	3,411	3,424	3,553	3,625	2,409	2,403	2,459	2,488	2,595	2,632	4,198	4,270	4,370	4,415	4,521	4,540

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.

2. The master's level includes the doctor's level prior to 1997-98.

3. No data for Cheyney University for 1998-99.
nd. No data.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER STUDENT CREDIT HOUR BY ACADEMIC DIVISION AND LEVEL ¹
1995-96 to 2000-01

University	Lower division						Upper division						Total undergraduate						Master's					
	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
State-related																								
Lincoln	\$64	\$59	\$59	\$70	\$71	\$72	\$119	\$129	\$125	\$113	\$113	\$120	\$77	\$74	\$74	\$80	\$83	\$85	\$79	\$77	\$74	\$76	\$74	\$78
Penn State	48	49	51	53	59	59	90	91	94	98	102	104	63	63	66	70	76	77	176	189	210	204	220	204
Pittsburgh	57	56	57	54	53	54	99	104	112	104	107	109	71	72	75	70	70	72	217	214	220	218	222	230
Temple	58	64	65	67	67	69	84	87	87	92	97	102	72	76	77	81	83	86	141	139	137	153	157	169
Total	52	52	54	55	58	60	90	93	95	98	102	104	66	67	70	72	76	77	181	182	190	190	197	199
State-owned																								
Bloomsburg	77	74	74	76	79	78	136	137	141	139	142	149	95	92	93	94	98	98	169	176	195	178	188	184
California	75	74	74	73	75	71	129	119	121	133	129	119	90	90	89	92	92	87	140	151	138	160	174	151
Cheyney	112	113	122	nd	143	136	199	176	206	nd	208	207	135	131	146	nd	160	154	126	138	111	nd	86	102
Clarion	78	76	75	80	74	77	159	159	159	162	160	160	102	99	99	102	98	100	204	208	229	224	205	220
East Stroudsburg	81	75	77	78	79	83	144	141	132	140	142	152	98	94	93	97	98	104	128	115	114	108	124	125
Edinboro	78	79	82	85	85	84	137	133	139	140	155	159	98	97	101	104	109	108	167	199	201	209	225	222
Indiana	68	67	69	68	71	76	146	147	151	147	156	159	92	92	94	93	99	101	241	257	251	248	258	241
Kutztown	71	67	69	69	70	69	149	150	152	154	159	156	98	96	97	98	100	98	176	179	171	172	171	176
Lock Haven	78	77	68	71	78	82	141	130	155	125	138	132	97	94	95	89	96	97	563	263	104	135	171	156
Mansfield	75	74	72	84	88	97	172	167	157	167	159	197	113	111	105	116	116	135	192	188	167	152	167	179
Millersville	86	90	93	95	97	96	124	121	122	126	139	136	100	101	103	106	112	110	136	123	119	131	112	123
Shippensburg	79	78	75	76	78	77	143	131	133	126	130	131	97	93	92	91	93	92	157	165	157	159	180	193
Slippery Rock ²	79	83	83	83	82	84	137	140	145	147	143	149	97	100	101	102	100	103	135	139	198	194	206	208
West Chester	81	78	76	77	77	79	125	122	129	129	128	130	96	93	93	94	94	96	176	172	172	178	189	179
Total ³	77	76	76	77	79	80	141	138	141	140	145	148	97	96	97	97	100	101	165	170	168	173	175	174
All universities ³	64	64	65	65	68	69	111	111	114	114	118	121	80	80	82	83	87	88	175	178	182	184	188	189

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 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).

2. The master's level includes the doctor's level prior to 1997-98.

3. No data for Cheyney University for 1998-99.

nd. No data.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 8

AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL¹
1995-96 to 2000-01

University	Lower division						Upper division						Total undergraduate						Master's					
	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
State-related																								
Lincoln	21	23	22	20	20	20	13	12	12	13	13	13	18	19	19	18	18	17	15	15	15	14	14	14
Penn State	31	30	31	31	29	29	26	26	27	27	27	26	29	29	29	29	28	28	14	14	14	15	14	15
Pittsburgh	29	29	30	31	31	31	24	23	22	23	23	24	27	27	27	28	28	28	17	18	18	17	17	17
Temple	28	26	26	25	26	27	23	22	22	22	22	22	25	24	24	24	23	24	15	15	14	14	14	14
Total	30	29	29	30	29	29	24	24	24	25	25	24	27	27	27	28	27	27	16	16	16	15	15	15
State-owned																								
Bloomsburg ²	23	23	24	27	27	28	15	15	15	19	19	18	20	20	20	24	24	24	11	11	9	12	12	12
California	29	30	29	29	29	28	17	17	17	16	17	17	24	24	24	23	24	23	14	13	14	12	11	12
Cheyney	19	18	17	nd	19	21	11	11	11	nd	12	14	16	15	15	nd	17	18	14	12	16	nd	19	18
Clarion	33	33	33	33	34	35	15	15	14	15	15	15	24	25	24	25	25	26	12	11	10	11	11	11
East Stroudsburg	28	29	29	28	28	27	19	18	19	18	18	17	25	24	25	24	24	23	17	16	16	17	16	17
Edinboro	26	25	25	24	26	27	17	17	17	17	18	18	23	22	22	21	23	23	10	9	9	9	9	9
Indiana	29	28	28	29	28	31	14	14	13	13	14	15	22	21	21	21	21	23	10	8	8	8	8	11
Kutztown	28	30	29	29	30	31	15	15	16	16	15	16	22	23	22	22	23	24	13	13	13	14	14	14
Lock Haven ³	28	30	30	29	29	29	20	22	18	21	18	18	25	27	25	26	25	25	a	8	9	12	14	14
Mansfield ²	26	26	26	28	26	24	9	8	9	17	17	14	15	14	15	23	22	19	8	7	8	12	14	15
Millersville	26	25	25	25	25	25	19	20	20	20	19	18	23	23	23	23	23	22	14	16	17	15	18	17
Shippensburg	28	28	29	29	29	30	16	20	21	22	21	22	23	25	26	27	26	27	15	15	14	14	13	14
Slippery Rock ⁴	31	31	31	31	31	31	16	16	16	15	16	16	24	24	24	24	25	24	16	12	12	13	11	11
West Chester	24	24	24	24	25	24	14	14	14	14	15	14	19	20	20	20	20	20	11	11	11	11	11	11
Total ⁵	27	27	27	28	28	28	15	15	15	16	16	16	22	22	22	23	23	23	12	12	12	12	12	13
All universities ⁵	28	28	28	29	28	29	19	19	19	20	20	20	24	24	24	25	25	25	14	14	14	14	14	14

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

2. Adjustments made to classroom course (assigned) credits in 1998-99.

3. 1999-00 data repeated for 2000-01.

4. The master's level includes the doctor's level prior to 1996-97.

5. No data for Cheyney University for 1998-99.

a. No classroom instruction.

nd. No data.

SOURCE: Data provided by the individual universities, 1996 to 2001.

Historical Table 9

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS¹
1995-96 to 2000-01
(in millions)

University	1995-96	1996-97	1997-98 ^a	1998-99	1999-00	2000-01
State-related						
Lincoln	\$9.7	\$9.8	\$10.0	\$11.0	\$11.4	\$12.9
Penn State	214.7	214.7	219.0	229.0	236.2	243.3
Pittsburgh	130.9	132.2	134.9	140.8	149.5	149.8
Temple	137.3	139.0	141.8	147.9	152.3	157.2
Total	492.6	495.7	505.7	528.7	549.4	563.2
State-owned						
Bloomsburg	29.9	29.8	30.5	31.7	32.6	34.3
California	27.6	27.5	27.9	29.0	29.8	31.2
Cheyney	12.9	13.0	13.2	13.8	14.6	14.4
Clarion	28.5	28.3	28.7	29.9	30.8	32.7
East Stroudsburg	20.3	20.3	21.1	23.0	23.9	25.2
Edinboro	28.8	28.9	29.7	31.3	31.9	32.8
Indiana	56.8	56.5	57.2	58.7	58.8	60.5
Kutztown	28.9	28.7	29.3	30.5	31.5	33.6
Lock Haven	16.8	16.8	17.5	18.9	20.0	21.2
Mansfield	15.9	16.1	16.6	17.7	18.6	18.6
Millersville	31.1	30.9	31.3	32.4	32.8	34.7
Shippensburg	26.7	26.6	27.3	29.0	30.8	32.3
Slippery Rock	30.8	30.7	31.5	32.5	32.9	34.5
West Chester	38.8	38.6	39.1	40.5	43.8	46.2
Total ²	393.8	392.7	400.9	418.9	432.8	452.2
All universities ²	886.4	888.4	906.6	947.6	982.2	1,015.4

1. Instructional appropriations include educational and general appropriations and for 1995-96, Tuition Challenge Grants. Excludes medical school data.

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

a. Excludes funding for Special Projects.

SOURCE: *Governor's Executive Budget*, 1997-98 to 2001-02; data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1996 to 2001.

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS
BY ACADEMIC LEVEL AND RESIDENCE
1995-96 to 2000-01

University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
State-related				
Lincoln				
1995-96	\$3,956	\$6,144	\$5,289	\$8,499
1996-97	4,180	6,490	5,580	8,940
1997-98	4,392	6,910	5,576	9,188
1998-99	4,595	7,210	5,830	9,580
1999-00	4,824	7,716	6,122	10,280
2000-01	5,026	8,192	6,394	10,940
Penn State				
Main Campus				
1995-96	5,258	11,310	5,872	12,018
1996-97	5,624	11,964	6,268	12,706
1997-98	5,832	12,406	6,502	13,180
1998-99	6,092	12,908	6,786	13,712
1999-00	6,436	13,552	7,160	14,392
2000-01	6,852	14,394	7,620	15,286
Pittsburgh				
Main Campus				
1995-96	5,638	11,724	7,454	14,792
1996-97	5,870	12,230	7,770	15,440
1997-98	6,164	12,928	8,154	16,318
1998-99	6,424	13,458	8,498	16,988
1999-00	6,698	14,014	8,818	17,648
2000-01	7,002	14,684	9,234	18,506
Temple				
1995-96	5,514	10,296	6,656	9,368
1996-97	5,828	10,712	7,088	9,800
1997-98	6,150	11,032	7,672	10,576
1998-99	6,378	11,408	8,032	10,936
1999-00	6,612	11,730	8,320	11,344
2000-01	6,948	12,322	8,748	11,916
State-owned				
Bloomsburg				
1995-96	3,915	8,889	3,783	6,353
1996-97	4,162	9,360	4,020	6,706
1997-98	4,278	9,634	4,133	6,901
1998-99	4,278	9,634	4,133	6,901
1999-00	4,456	9,884	4,466	7,296
2000-01	4,668	10,356	4,856	7,726
California				
1995-96	4,136	9,110	4,038	6,608
1996-97	4,304	9,502	4,206	6,892
1997-98	4,475	9,831	4,377	7,145
1998-99	4,545	9,901	4,441	7,209
1999-00	4,742	10,170	4,794	7,624
2000-01	4,937	10,625	5,173	8,043
Cheyney				
1995-96	3,729	8,703	3,604	6,174
1996-97	3,922	9,120	3,748	6,434
1997-98	4,023	9,379	3,850	6,618
1998-99	4,023	9,379	3,850	6,618
1999-00	4,173	9,601	4,160	6,990
2000-01	4,447	10,135	4,618	7,488
Clarion				
1995-96	4,054	9,028	3,970	6,540
1996-97	4,268	9,466	4,144	6,830
1997-98	4,378	9,734	4,278	7,046
1998-99	4,569	8,905	4,469	7,237
1999-00	4,700	6,510	4,762	7,592
2000-01	4,927	6,823	5,088	7,958
East Stroudsburg				
1995-96	4,016	8,990	3,862	6,432
1996-97	4,195	9,393	4,041	6,727
1997-98	4,322	9,678	4,166	6,934
1998-99	4,314	9,670	4,168	6,936
1999-00	4,492	9,920	4,504	7,334
2000-01	4,718	10,406	4,908	7,778

Edinboro				
1995-96	3,924	8,898	3,924	6,694
1996-97	4,083	9,281	4,081	6,763
1997-98	4,193	9,549	4,366	7,134
1998-99	4,193	10,084	4,366	7,549
1999-00	4,358	6,168	4,725	7,555
2000-01	4,569	6,465	5,156	8,026
Indiana				
1995-96	3,891	8,865	3,787	6,357
1996-97	4,064	9,262	3,956	6,642
1997-98	4,204	9,560	4,093	6,861
1998-99	4,244	9,600	4,133	6,901
1999-00	4,419	9,847	4,447	7,277
2000-01	4,617	10,305	4,882	7,752
Kutztown				
1995-96	3,940	8,914	3,810	6,380
1996-97	4,138	9,336	3,968	6,654
1997-98	4,219	9,575	4,089	6,857
1998-99	4,251	9,607	4,111	6,879
1999-00	4,448	9,876	4,480	7,310
2000-01	4,667	10,355	4,899	7,769
Lock Haven				
1995-96	3,822	8,796	3,822	6,392
1996-97	3,988	9,186	3,988	6,674
1997-98	4,062	9,418	4,062	6,830
1998-99	4,071	7,427	4,071	6,939
1999-00	4,259	7,687	4,434	7,264
2000-01	4,548	8,236	4,928	7,798
Mansfield				
1995-96	3,804	8,778	3,624	6,194
1996-97	4,034	9,232	3,834	6,520
1997-98	4,354	9,710	3,944	6,712
1998-99	4,410	9,766	4,010	6,778
1999-00	4,560	9,988	4,322	7,152
2000-01	4,766	10,454	4,946	7,810
Millersville				
1995-96	4,100	9,074	4,100	6,670
1996-97	4,268	9,466	4,268	6,954
1997-98	4,400	9,756	4,400	7,168
1998-99	4,429	9,785	4,429	7,197
1999-00	4,595	10,023	4,757	7,587
2000-01	4,804	10,492	5,150	8,020
Shippensburg				
1995-96	4,010	8,984	3,850	6,420
1996-97	4,230	9,428	4,030	6,716
1997-98	4,344	9,700	4,144	6,912
1998-99	4,344	9,700	4,144	6,912
1999-00	4,550	9,978	4,472	7,302
2000-01	4,746	10,434	4,852	7,722
Slippery Rock				
1995-96	4,013	8,987	4,013	6,583
1996-97	4,179	9,377	4,179	6,748
1997-98	4,302	9,658	4,475	7,243
1998-99	4,311	9,667	4,485	7,667
1999-00	4,484	9,912	4,851	7,681
2000-01	4,684	10,372	5,290	8,590
West Chester				
1995-96	3,874	8,848	3,756	6,326
1996-97	4,032	9,230	3,914	6,600
1997-98	4,162	9,518	4,044	6,812
1998-99	4,248	9,604	4,128	6,896
1999-00	4,422	9,850	4,464	7,294
2000-01	4,630	10,318	4,856	7,726

1. Excludes first-professional level.

SOURCE: Pennsylvania Department of Education, *Colleges and Universities-Basic Student Charges*, 1995-96; Pennsylvania Department of Education, *Colleges and Universities-Education Digest* 1996-97 to 2000-01.

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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:

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

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.

This model serves as the basis for the regression analysis performed by the Commission staff to estimate the annual cost savings from a decrease in average salary and an increase in average class (section) size (see chart, page xiii).