





3.) Temple Uuivivenint Students.

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

Analysis of 1997-98 Data<br>Reported Under 1997 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 1999

The cover displays the reverse of the State Seal of the Commonwealth of Pennsylvania. The reverse of this seal shows a woman, who represents liberty. Her left hand holds a wand topped by a liberty cap, a French symbol of liberty. In her right hand is drawn sword. She is trampling upon Tyranny, represented by a lion. The entire design is encircled by the legend "Both Can't Survive."

The release of this report should not be construed as an indication that the members of the Executive Committee of the Joint State Government Commission endorse all of the report's findings, recommendations or conclusions.

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The Joint State Government Commission was created by act of July 1, 1937 (P.L.2460, No.459) as amended, as a continuing agency for the development of facts and recommendations on all phases of government for the use of the General Assembly.

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## STATE-RELATED AND STATE-OWNED UNIVERSITIES AND BRANCH CAMPUSES <br> (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)
*Medical School data not included in this report.
${ }^{* *}$ Not included in this report.

## 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)

## FOREWORD

This 26th annual report summarizes the instructional outputs, instructional faculty salary costs, tuitions and Commonwealth instructional appropriations 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 tuitions, Commonwealth instructional appropriations, and student aid from other sources supplement the university data.

Levels of data for 1997-98 and data trends for 1992-93 to 1997-98 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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## I. DATA HIGHLIGHTS

1. In Fall 1997, a total of 572,559 full- and part-time students were enrolled in the 144 public and private colleges and universities in Pennsylvania. Of this total, 229,700 students (40 percent) were enrolled in the Commonwealth's public universities: 135,461 students ( 24 percent) in the 4 State-related universities, and 94,239 (16 percent) in the 14 State-owned universities. The main and branch campuses of Pennsylvania's public universities are listed on page iii. Compared to Fall 1996, overall student enrollments in all of Pennsylvania's colleges and universities, including the Commonwealth's public universities, increased by 1 percent. ${ }^{1}$
2. During the 1997-98 school year, ${ }^{2} 6$ million undergraduate and graduate student credit hours (SCH) were generated by the public universities. These SCH were equivalent to 208,566 full-time students: 120,998 fulltime equivalent (FTE) students (58 percent) for the State-related universities, and 87,568 ( 42 percent) for the State-owned universities. ${ }^{3}$ (Table 1) FTE students at the State-related universities increased by 2 percent, and at the State-owned universities by 1 percent from the previous year. FTE students vary considerably by academic level at the individual universities. At Pittsburgh and Temple, almost three-quarters of the FTE students are undergraduates; both universities have first professional programs in dentistry and law. In contrast, the proportion of undergraduate FTE students is 80 percent for Lincoln, and 91 percent for both Penn State and the State-owned group. ${ }^{4}$ (Table 2) Likewise, the public universities offer diverse programs to students. Most of these universities continue to have large programs in business and education, in

[^0]addition to letters and the social sciences. The State-owned universities each have specialized program missions. (Tables 3A through 3E) ${ }^{5}$
3. During the 1997-98 school year, the public universities conferred 41,343 bachelor's and graduate degrees (not including medical degrees): 24,052 degrees ( 58 percent) by the State-related universities, and 17,291 (42 percent) by the State-owned universities. Total degrees for the Staterelated and State-owned universities changed little from the preceding year. ${ }^{6}$ (Table 4)
4. Over the past five years (since 1992-93), Pennsylvania's population of 18to 24 -year-olds decreased by 14 percent, while FTE enrollments in the Commonwealth's public universities increased slightly. The nondecrease in total FTE enrollments in the public universities would appear to be attributable to an increase in the percentage of traditional students, plus an increase in the number of nontraditional students, attending these universities.
5. In Fall 1997, 10,513 teaching and research faculty were employed full-time by Pennsylvania's public universities: 5,882 full-time faculty ( 56 percent) by the State-related universities and 4,631 (44 percent) by the Stateowned universities. ${ }^{7}$ The overall workweek reported by these faculty averaged 53.9 hours: 52.9 total hours for the State-related universities, and 55.3 total hours for the State-owned universities. Hours spent in undergraduate and graduate classroom and individual instruction contact with students averaged 8.5 per week for the State-related group, and 11.6 per week for the State-owned group. (Table 5) Since 1992-93, average total workweek hours for the State-related universities increased by 2 percent but average student contact hours decreased by 1 percent; over

[^1]the same years, the average total workweek and student contact hours at the State-owned universities remained nearly constant.
6. During the 1997-98 school year, the full- and part-time instructional faculty employed by the public universities were the equivalent of 11,908 full-time faculty: 6,987 FTE instructional faculty ( 59 percent) for the State-related universities, and 4,921 (41 percent) for the State-owned universities. ${ }^{8}$ The combined FTE instructional faculty increased by 1 percent from the previous year. The instructional salary for these faculty averaged \$47,500 and $\$ 53,500$ for the two public university groups, respectively. ${ }^{9}$ The average instructional salary for the State-related universities increased by 5 percent, but for the State-owned universities remained constant from the previous year. ${ }^{10}$ The State-owned universities tend to utilize relatively more higher-ranked FTE faculty--professors and associate professors--in instruction than do the larger State-related universities. In contrast, Penn State, Pittsburgh and Temple provide a significant amount of instruction using instructors and nonranked faculty (largely graduate teaching assistants); the lower instructional salaries of the nonranked faculty tend to lower the average instructional salary for the State-related group relative to the State-owned group. (Table 6)
7. Since 1992-93, the average instructional salary for the FTE instructional faculty for both the State-related and State-owned universities increased by $\$ 7,600$. However, this represents a 19 percent increase for the Staterelated group, and a 17 percent increase for the State-owned group. The relative increase in average instructional salary for the State-owned group has tended to widen the gap in average instructional salaries between the two groups of FTE faculty.
8. During the 1997-98 school year, the ratio of FTE students to FTE instructional faculty averaged 17.3 for the State-related universities, and

[^2]17.8 for the State-owned universities; both ratios remained largely unchanged from the previous year. (Tables 1 and 6)
9. During the 1997-98 school year, the average instructional faculty salary costs per FTE student for the State-related group were: \$2,100 for the undergraduate level, and $\$ 4,556$ for the master's level. For the Stateowned group the FTE instructional salary costs for these levels were $\$ 2,907$ and $\$ 4,039$, respectively. (Table 7) First professional FTE instructional salary costs averaged $\$ 1,721$ for Pittsburgh and $\$ 3,958$ for Temple; doctoral FTE instructional salary costs averaged \$12,897 for Penn State, $\$ 12,024$ for Pittsburgh, $\$ 8,475$ for Temple and $\$ 3,786$ for the State-owned universities. Statistical analysis has shown that FTE instructional salary costs vary directly with FTE instructional faculty salaries, and inversely with both average class (section) sizes and the number of classes (sections) offered per course. Since 1992-93, undergraduate FTE instructional salary costs increased by 21 percent for the State-related group, and by 23 percent for the State-owned group. FTE instructional salary costs also vary considerably by program area. (Table 8A through 8E)
10. Regression analysis applied to 1997-98 lower and upper division undergraduate FTE instructional salary cost, class size and instructional faculty salary data for the public universities indicates that the total annual cost savings to be expected from decreasing average FTE instructional faculty salaries by $\$ 1,000$ at these universities would be almost $\$ 10$ million, and from increasing average class (section) sizes by one student about $\$ 18$ million. ${ }^{11}$
11. The average undergraduate class (section) size is 19 for Lincoln, 29 for Penn State, 27 for Pittsburgh, 24 for Temple, and 22 for the State-owned universities. Since 1992-93, average undergraduate class sizes declined by about 4 percent at both the State-related and State-owned universities. (Table 9)
12. During the 1997-98 school year, the tuition and required fees for full-time in-State undergraduate students averaged $\$ 5,634$ for the State-related universities, and $\$ 4,265$ for the State-owned universities. These tuition and fees increased by 5 percent from the previous year for the Staterelated universities and 3 percent for the State-owned universities.

[^3]Lincoln's tuition and fees for nonresidents exceeded those for residents by 57 percent for full-time undergraduate students, and by 65 percent for fulltime graduate students. Penn State's tuition and fees for nonresident fulltime undergraduates were 113 percent higher, and those for graduate students 103 percent higher than the tuition and fees for residents. Pittsburgh's nonresident tuition and fees were approximately double those for residents for both levels. For Temple, the out-of-state premium was almost 80 percent for full-time undergraduates and 38 percent for full-time graduate students. For the State-owned group, tuition and fees for nonresident undergraduates exceeded those for residents by 126 percent; nonresident graduate students paid 66 percent more than Pennsylvania residents. (Table 10)
13. For fiscal year 1997-98, the public universities collected 1.3 billion dollars in tuition and fee revenues. FTE student revenues averaged $\$ 6,030$ for Lincoln, $\$ 6,930$ for Penn State, $\$ 8,440$ for Pittsburgh, $\$ 7,920$ for Temple, and $\$ 4,570$ for the State-owned group. Since 1992-93, FTE student revenues increased by 31 percent for the State-related universities and 28 precent for the State-owned universities. (Table 11)
14. For fiscal year 1997-98, the Commonwealth's instructional appropriations to the public universities totaled $\$ 906.6$ million: $\$ 505.6$ million ( 56 percent) to the State-related universities and $\$ 401.0$ million ( 44 percent) to the State-owned universities. ${ }^{12}{ }^{13}$ These appropriations represent 85 percent of the total appropriations made specifically for instruction to the public universities and community colleges, and 71 percent of the total appropriations made for all purposes to all public and private colleges and universities in the Commonwealth. Total instructional appropriations remained virtually unchanged for the Commonwealth's public universities from the previous year. The average appropriation per FTE student was $\$ 4,180$ for the State-related group and $\$ 4,580$ for the State-owned group. (Table 12) In addition to the instructional appropriations made directly to the public universities, monies appropriated from the General Fund to the Pennsylvania Higher Education Assistance Agency totaling \$114 million went to students at the public universities through various PHEAA grant and matching-fund programs. ${ }^{14}$

[^4]15. For 1997-98 total instructional revenues per FTE student--tuition and fees plus the Commonwealth's instructional appropriations--averaged \$11,640 for the State-related universities and $\$ 9,150$ for the State-owned universities. (Table 13) Per student instructional revenues for the Staterelated universities were more than those for the State-owned universities, even though per student undergraduate instructional faculty salary costs for the State-related group were less than those for the State-owned group. (Table 7) The analysis of total instructional costs is beyond the scope of this report.
16. During the 1997-98 school year, on an FTE student basis, the ratio of Commonwealth instructional appropriations to tuition and fee revenues plus Commonwealth instructional appropriations averaged 36 percent for the State-related university group, and 50 percent for the State-owned university group. (Table 13) Since 1992-93, average FTE student tuition and fee revenues collected by the public universities increased, on a percentage basis, more than twice as much as the average direct FTE student appropriations from the Commonwealth to these institutions. Hence, the percentage of total instructional revenues from Commonwealth appropriations has decreased, causing the student share of instructional cost to increase for all of the public universities.

## II. CURRENT YEAR DATA

Table 1
FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL ${ }^{1}$
1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-؟

| University | Total |  |  |  | Undergraduate |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Percentage change |  |  |  | Percentage change |  |  | FTE Onє students |  |
|  | FTE <br> students | Oneyear change | One year | Five-year average | FTE students | Oneyear change | One year | Five-year average |  |  |
| State-related |  |  |  |  |  |  |  |  |  |  |
| Lincoln | 2,064 | 199 | 11\% | 7\% | 1,641 | 68 | 4\% | 5\% | 4 |  |
| Penn State | 67,456 | 1,645 | 2 | 1 | 61,110 | 1,793 | 3 | 2 | 6,346 | -1 |
| Pittsburgh | 28,489 | 751 | 3 | -1 | 20,457 | 528 | 3 | -1 | 8,032 | 2 |
| Temple | 22,989 | -466 | -2 | -2 | 16,643 | -296 | -2 | -2 | 6,346 | -1 |
| Total | 120,998 | 2,129 | 2 | a | 99,851 | 2,093 | 2 | a | 21,147 |  |
| State-owned |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 7,338 | 113 | 2 | a | 6,902 | 109 | 2 | a | 436 |  |
| California | 5,422 | 196 | 4 | -2 | 4,654 | 181 | 4 | -2 | 768 |  |
| Cheyney | 1,313 | 20 | 2 | -2 | 1,025 | -54 | -5 | -4 | 288 |  |
| Clarion | 5,695 | 90 | 2 | -1 | 5,416 | 116 | 2 | a | 279 | - |
| East Stroudsburg | 5,514 | 189 | 4 | 1 | 4,857 | 153 | 3 | 1 | 657 |  |
| Edinboro | 6,525 | -153 | -2 | -3 | 6,132 | -126 | -2 | -3 | 393 | - |
| Indiana | 12,954 | 95 | 1 | -1 | 11,805 | 66 | 1 | -1 | 1,149 |  |
| Kutztown | 6,892 | 101 | 1 | a | 6,461 | 78 | 1 | a | 431 |  |
| Lock Haven | 3,403 | 120 | 4 | -1 | 3,300 | 77 | 2 | -2 | 103 |  |
| Mansfield | 2,757 | -44 | -2 | -2 | 2,620 | -33 | -1 | -2 | 137 | - |
| Millersville | 6,944 | 102 | 1 | a | 6,130 | 84 | 1 | a | 814 |  |
| Shippensburg | 6,089 | 32 | 1 | a | 5,561 | 42 | 1 | a | 528 | - |
| Slippery Rock | 6,667 | -50 | -1 | -2 | 6,066 | -64 | -1 | -2 | 601 |  |
| West Chester | 10,055 | 331 | 3 | a | 9,021 | 256 | 3 | a | 1,034 |  |
| Total | 87,568 | 1,142 | 1 | -1 | 79,950 | 885 | 1 | -1 | 7,618 | 2 |
| All universities | 208,566 | 3,271 | 2 | a | 179,801 | 2,978 | 2 | a | 28,765 | 2 |

1. Data for each year represent the summer term preceding the academic year plus the academic year. -firile equivalent students a 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 ( $\epsilon$ and/or doctor's levels.
a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 1993 to 1998.

Table 2
FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL ${ }^{1}$
1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-؟

| University | Lower division |  |  | Upper division |  |  | Master's |  |  | Fir |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage change |  |  | Percentage change |  |  | Percentage change |  |  |  |
|  | FTE students | One year | Fiveyear average | FTE students | One year | Fiveyear average | FTE students | One year | Five-year average |  |
| State-related |  |  |  |  |  |  |  |  |  |  |
| Lincoln | 1,280 | 3\% | 6\% | 361 | 9\% | 2\% | 423 | 45\% | 20\% | । |
| Penn State | 38,662 | -1 | 1 | 22,448 | 11 | 2 | 3,552 | -4 | a |  |
| Pittsburgh | 14,045 | 5 | a | 6,412 | -1 | -2 | 5,257 | 3 | a | 2,7 |
| Temple | 7,427 | -4 | -3 | 9,216 | 1 | -2 | 3,457 | -2 | -1 | 2,8 |
| Total | 61,414 | a | a | 38,437 | 6 | a | 12,689 | a | a | 8,4 |
| State-owned |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 4,915 | 1 | 1 | 1,987 | 3 | -2 | 436 | 1 | 2 |  |
| California | 3,168 | 7 | -3 | 1,486 | -1 | -2 | 768 | 2 | 1 |  |
| Cheyney | 731 | -4 | -4 | 294 | -7 | -1 | 288 | 35 | 13 |  |
| Clarion | 3,901 | 2 | a | 1,515 | 3 | -2 | 279 | -9 | -2 |  |
| East Stroudsburg | 3,436 | 3 | 1 | 1,421 | 3 | 1 | 657 | 6 | 2 |  |
| Edinboro | 4,027 | -2 | -4 | 2,105 | -2 | -1 | 393 | -6 | -1 |  |
| Indiana | 8,126 | a | a | 3,679 | 1 | -3 | 875 | 5 | b | 2 |
| Kutztown | 4,261 | 2 | 1 | 2,200 | 0 | -1 | 431 | 6 | 1 |  |
| Lock Haven | 2,283 | 3 | -3 | 1,017 | 2 | 1 | 103 | 72 | 238 |  |
| Mansfield | 1,604 | 1 | -4 | 1,016 | -4 | 2 | 137 | -7 | -6 |  |
| Millersville | 3,863 | a | -1 | 2,267 | 3 | 2 | 814 | 2 | a |  |
| Shippensburg | 3,959 | -1 | a | 1,602 | 7 | a | 528 | -2 | 1 |  |
| Slippery Rock | 4,249 | -1 | -2 | 1,817 | -2 | -2 | 360 | -3 | b | 2 |
| West Chester | 6,123 | 6 | 1 | 2,898 | -2 | -2 | 1,034 | 8 | a |  |
| Total | 54,646 | 1 | -1 | 25,304 | 1 | -1 | 7,103 | 4 | b | 5 |
| All universities | 116,060 | 1 | a | 63,741 | 4 | a | 19,792 | 1 | a | 8,9 |

1. Data for each year represent the summer term preceding the academic year plus the academic year. -liulle equivalent students are 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 doctor's level was included in master's level in 1992-93.
na. Not applicable.
SOURCE: Data provided by the individual universities, 1993 to 1998.

Table 3A
LINCOLN UNIVERSITY
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS ${ }^{1}$
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
1997-98

| CIP Classification | Total | Percentage of total | Undergraduate |  |  |  | Percentage Graduate of total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Lower division | Percentage of total | Upper division | Percentage <br> of total |  |  |
| AgricultureArchitecture and |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| environmental design | -- | -- | -- | -- | -- | -- | -- | -- |
| Area and ethnic studies | -- | -- | -- | -- | -- | -- | -- | -- |
| Business | 132 | 6\% | 48 | 4\% | 46 | 13\% | 38 | 9\% |
| Communications | -- | -- | -- | -- | -- | -- | -- | -- |
| Computer and information sciences | 37 | 2 | 31 | 2 | 6 | 2 | -- | -- |
| Consumer, personal and |  |  |  |  |  |  |  |  |
| Education | 397 | 19 | 289 | 23 | 81 | 22 | 27 | 6 |
| Engineering | -- | -- | -- | -- | -- | -- | -- | -- |
| Foreign languages | 105 | 5 | 92 | 7 | 13 | 4 | -- |  |
| Health | -- | -- | -- | -- | -- | -- | -- | -- |
| Home economics | -- | -- | -- | -- | -- | -- | -- | -- |
| Industrial arts | -- | -- | -- | -- | -- | -- | -- | -- |
| Law | -- | -- | -- | -- | -- | -- | -- | -- |
| Letters | 228 | 11 | 207 | 16 | 21 | 6 | -- | -- |
| Liberal/general studies | -- | -- | -- | -- | -- | -- | -- | -- |
| Library and archival sciences | -- | -- | -- | -- | -- | -- | -- | -- |
| Life sciences | 130 | 6 | 114 | 9 | 16 | 4 | -- | -- |
| Mathematics | 147 | 7 | 139 | 11 | 8 | 2 | -- | -- |
| Military sciences | -- | -- | -- | -- | -- | -- | -- | -- |
| Multi/interdisciplinary studies | 4 | a | 4 | a | -- | -- | -- | -- |
| Parks and recreation | -- | -- | -- | -- | -- | -- | -- | -- |
| Personal and social development | -- | -- | -- | -- | -- | -- | -- | -- |
| Philosophy, religion and theology | 71 | 3 | 64 | 5 | 7 | 2 | -- | -- |
| Physical sciences | 123 | 6 | 84 | 7 | 39 | 11 | -- | -- |
| Psychology | 79 | 4 | 55 | 4 | 24 | 7 | -- | -- |
| Public affairs and |  |  |  |  |  |  |  |  |
| Social sciences | 276 | 13 | 153 | 12 | 102 | 28 | 21 | 5 |
| Trade and industrial | -- | -- | -- | -- | -- | -- | -- | -- |
| Visual and performing arts | -- | -- | -- | -- | -- | -- | -- | -- |
| Other | -- | -- | -- | -- | -- | -- | -- | -- |
| Total ${ }^{3}$ | 2,064 | 100 | 1,280 | 100 | 361 | 100 | 423 | 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, 1998; 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 STUDENTS ${ }^{1}$

 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION1997-98


1. Data represent the summer term preceding the academic year plus the academic year. Firrle 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, 1998; 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 STUDENTS ${ }^{1}$ BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION <br> 1997-98

| CIP Classification | Total | Percentage of total | Undergraduate |  |  |  | Percentage <br> Graduate of total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Lower division | Percentage <br> of total | Upper division | Percentage of total |  |  |
| Agriculture | -- | -- | -- | -- | -- | -- | -- | -- |
| Architecture and environmental design | -- | -- | -- | -- | -- | -- | -- | -- |
| Area and ethnic studies | 125 | a | 76 | 1\% | 45 | 1\% | 4 | a |
| Business | 2,196 | 8\% | 364 | 3 | 626 | 10 | 1,206 | 15\% |
| Communications | 103 | a | 12 | a | 22 | a | 69 | 1 |
| Computer and information sciences | 1,101 | 4 | 640 | 5 | 196 | 3 | 265 | 3 |
| Consumer, personal and miscellaneous services | -- | -- | -- | -- | -- | -- | -- | -- |
| Education | 1,981 | 7 | 340 | 2 | 382 | 6 | 1,259 | 16 |
| Engineering | 1,350 | 5 | 387 | 3 | 517 | 8 | 446 | 6 |
| Foreign languages | 1,572 | 6 | 1,111 | 8 | 364 | 6 | 97 | 1 |
| Health | 3,108 | 11 | 249 | 2 | 883 | 14 | 1,976 | 25 |
| Home economics | 40 | a | -- | -- | 39 | 1 | 1 | a |
| Industrial arts | -- | -- | -- | -- | -- | -- | -- | -- |
| Law | 834 | 3 | -- | -- | -- | -- | 834 | 10 |
| Letters | 2,622 | 9 | 1,835 | 13 | 655 | 10 | 132 | 2 |
| Liberal/general studies | -- | -- | -- | -- | -- | -- | -- | -- |
| Library and archival sciences | 181 | 1 | -- | -- | 14 | a | 167 | 2 |
| Life sciences | 1,105 | 4 | 717 | 5 | 313 | 5 | 75 | 1 |
| Mathematics | 1,793 | 6 | 1,489 | 11 | 222 | 3 | 82 | 1 |
| Military sciences | 12 | a | 7 | a | 5 | a | -- | -- |
| Multi/interdisciplinary studies | 223 | 1 | 186 | 1 | 34 | 1 | 3 | a |
| Parks and recreation | -- | -- | -- | -- | -- | -- | -- | -- |
| Personal and social development | -- | -- | -- | -- | -- | -- | -- | -- |
| Philosophy, religion and theology | 887 | 3 | 692 | 5 | 130 | 2 | 65 | 1 |
| Physical sciences | 2,072 | 7 | 1,719 | 12 | 128 | 2 | 225 | 3 |
| Psychology | 1,393 | 5 | 1,020 | 7 | 282 | 4 | 91 | 1 |
| Public affairs and protective services | 1,386 | 5 | 131 | 1 | 452 | 7 | 803 | 10 |
| Social sciences | 3,353 | 12 | 2,221 | 16 | 948 | 15 | 184 | 2 |
| Trade and industrial | -- | -- | -- | -- | -- | -- | -- | -- |
| Visual and performing arts | 1,051 | 4 | 849 | 6 | 154 | 2 | 48 | 1 |
| Other | -- | -- | -- | -- | -- | -- | -- | -- |
| Total ${ }^{3}$ | 28,489 | 1001 | 14,045 | 100 6 | 6,412 | 100 | 8,032 | 100 |

1. Data represent the summer term preceding the academic year plus the academic year. Firrle 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, 1998; 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 STUDENTS ${ }^{1}$

 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION1997-98


1. Data represent the summer term preceding the academic year plus the academic year. Firrle 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, 1998; CIP classifications - U.S. Department of Education, National Center for Education Statistics, Classification of Instructional Program\$1991.

Table 3E
STATE-OWNED UNIVERSITIES
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS ${ }^{1}$ BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION

1997-98


1. Data represent the summer term preceding the academic year plus the academic year. Firke 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 Statewned universities, 1998; CIP classifictions - U.S. Department of Education, National Center for Education Statistics,Classification of Instructional Programs 1991.

Table 4
DEGREES CONFERRED ${ }^{1}$
1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-؟

| University | Total |  |  |  | Bachelor's |  |  |  | $\begin{aligned} & \text { One } \\ & \text { Degrees } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Percentage change |  |  |  | Percentage change |  |  |  |
|  | Degrees | Oneyear change | One year | Five-year average | Degrees | Oneyear change | One year | Five year average |  |
| Staterelated |  |  |  |  |  |  |  |  |  |
| Lincoln | 318 | -10 | -3\% | 5\% | 185 | -34 | -16\% | a | 133 |
| Penn State | 11,686 | 202 | 2 | a | 9,059 | 66 | 1 | -1\% | 2,627 |
| Pittsburgh | 6,514 | -154 | -2 | -1 | 3,854 | -108 | -3 | -2 | 2,660 |
| Temple | 5,534 | 62 | 1 | -1 | 3,212 | 142 | 5 | -2 | 2,322 |
| Total | 24,052 | 100 | a | a | 16,310 | 66 | a | -1 | 7,742 |
| State-owned |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 1,464 | -5 | a | -1 | 1,239 | 8 | 1 | -2 | 225 |
| California | 1,238 | -17 | -1 | a | 921 | 15 | 2 | -1 | 317 |
| Cheyney | 274 | 11 | 4 | 3 | 178 | 31 | 21 | 4 | 96 |
| Clarion | 1,010 | 6 | 1 | -2 | 850 | -13 | -2 | -3 | 160 |
| East Stroudsburg | 1,047 | 13 | 1 | a | 821 | 33 | 4 | -1 | 226 |
| Edinboro | 1,251 | -47 | -4 | -2 | 1,066 | -28 | -3 | -3 | 185 |
| Indiana | 2,604 | 158 | 6 | -1 | 2,060 | 104 | 5 | -2 | 544 |
| Kutzown | 1,313 | -49 | -4 | -2 | 1,111 | -36 | -3 | -2 | 202 |
| Lock Haven | 582 | -4 | -1 | a | 557 | -26 | -4 | a | 25 |
| Mansfield | 540 | -41 | -7 | -3 | 456 | -34 | -7 | -3 | 84 |
| Millersville | 1,439 | 41 | 3 | a | 1,257 | 38 | 3 | a | 182 |
| Shippensburg | 1,362 | -109 | -7 | -2 | 1,058 | -103 | -9 | -3 | 304 |
| Slippery Rock | 1,264 | -102 | -7 | -3 | 1,107 | -46 | -4 | -3 | 157 |
| West Chester | 1,903 | 62 | 3 | -2 | 1,509 | 20 | 1 | -2 | 394 |
| Total | 17,291 | -83 | a | -1 | 14,190 | -37 | a | -2 | 3,101 |
| All universities | 41,343 | 17 | a | -1 | 30,500 | 29 | a | -2 | 10,843 |

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': Temple, Indiana and Slippery Rock.
a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual universities, 1993 to 1998.

NUMBER AND WORKWEEKS OF FULL-TIME EMPLOYED FACULTY BY TYPE OF ACTIVITY

| University | Full-time employed faculty | Average weekly holurs |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Student contact |  |  |  | Instructional support | Percentage change | Percentage <br> Research change |  | $\begin{array}{r} \mathrm{O} \\ \text { unive } \\ \text { ser } \end{array}$ |
|  |  | Under graduate | Percentage change | Graduate | Percentage change |  |  |  |  |  |
| State-related |  |  |  |  |  |  |  |  |  |  |
| Lincoln | 94 | 10.4 | 1\% | . 9 | 0\% | 20.2 | 3\% | 11.5 | 11\% |  |
| Penn State | 2,975 | 6.8 | 1 | 1.7 | -6 | 19.4 | 0 | 16.9 | -1 | 7. |
| Pittsburgh | 1,780 | 4.4 | 0 | 3.8 | -5 | 13.8 | -1 | 18.4 | -1 | 12. |
| Temple | 1,033 | 5.4 | -4 | 3.7 | -5 | 18.8 | 2 | 13.7 | -1 | 12. |
| Total | 5,882 | 5.9 | 0 | 2.6 | -7 | 17.6 | 0 | 16.7 | -1 | 10. |
| Stateowned |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 372 | 11.2 | -1 | . 8 | 0 | 17.3 | -1 | 8.8 | -2 | 17. |
| California | 257 | 10.5 | 5 | 1.7 | 6 | 17.9 | 3 | 7.4 | 1 | 21. |
| Cheyney | 87 | 11.0 | 0 | 1.0 | 0 | 15.6 | 0 | 6.6 | 0 | 18. |
| Clarion | 339 | 10.5 | -4 | . 8 | 0 | 18.4 | 3 | 8.2 | -4 | 13. |
| East Stroudsburg | 246 | 11.2 | 3 | 1.1 | 0 | 18.2 | 7 | 8.2 | -9 | 17. |
| Edinboro | 345 | 13.2 | 3 | 1.0 | 11 | 17.6 | 3 | 8.7 | 4 | 14. |
| Indiana | 726 | 10.1 | -1 | 1.1 | -8 | 16.8 | -2 | 9.1 | -8 | 17. |
| Kutztown | 364 | 11.3 | 3 | . 6 | 20 | 16.7 | 3 | 8.4 | 0 | 16. |
| Lock Haven | 197 | 11.1 | 2 | . 1 | 0 | 17.9 | -1 | 6.7 | -4 | 17. |
| Mansfield | 161 | 11.1 | 5 | . 1 | -75 | 20.6 | -3 | 9.6 | 1 | 19. |
| Millersville | 324 | 10.6 | 5 | . 7 | -12 | 16.4 | 5 | 9.5 | -8 | 17. |
| Shippensburg | 299 | 9.8 | -4 | 1.0 | 11 | 17.5 | -2 | 7.7 | -4 | 17. |
| Slippery Rock | 371 | 9.4 | -5 | . 8 | 0 | 18.5 | 1 | 8.7 | 0 | 18. |
| West Chester | 543 | 10.3 | -3 | 1.5 | 0 | 17.3 | -2 | 12.0 | -2 | 19. |
| Total | 4,631 | 10.7 | 0 | . 9 | 0 | 17.5 | 1 | 8.8 | -4 | 17. |
| All universities | 10,513 | 7.9 | 0 | 1.9 | -5 | 17.6 | 1 | 13.3 | -1 | 13. |

1. The number of fultime employed faculty represents those reported by each university for the fall term; sabbatical and other on-leave faculty
2. Averages calculated for the fultime 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, 1997 and 1998.

Table 6

## NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY AND PERCENTAGE 1997-98

(Dollars in thousands)

| University | FTE |  | Average |  |  |  | Associate professor |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Profe instructional salary | essor <br> Percentage of faculty | Associate Average instructional salary | professor <br> Percent age of faculty | Assistant <br> Average instructional salary | professor <br> Percent age of faculty |
| Staterelated |  |  |  |  |  |  |  |  |  |  |
| Lincoln | 135 | 12\% |  |  | \$32.4 | -2\% | \$54.1 | 15\% | \$39.8 | 14\% | \$29.8 | 33\% |
| Penn State | 3,654 | 3 | 48.1 | 6 | 83.6 | 16 | 56.7 | 19 | 46.3 | 22 |
| Pittsburgh | 1,833 | -1 | 47.8 | 6 | 75.0 | 21 | 52.0 | 25 | 41.0 | 19 |
| Temple | 1,365 | -4 | 47.1 | 2 | 72.0 | 30 | 56.1 | 23 | 41.0 | 15 |
| Total | 6,987 | a | 47.5 | 5 | 77.5 | 20 | 54.9 | 21 | 43.7 | 20 |
| State-owned |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 405 | 2 | 52.7 | 2 | 67.7 | 27 | 54.7 | 35 | 42.5 | 29 |
| California | 279 | 3 | 53.4 | -1 | 66.8 | 40 | 54.8 | 29 | 44.8 | 13 |
| Cheyney | 103 | 4 | 51.0 | 2 | 63.4 | 30 | 54.0 | 27 | 45.3 | 25 |
| Clarion | 326 | a | 53.9 | 2 | 69.4 | 32 | 58.0 | 26 | 42.6 | 31 |
| East Stroudsburg | 277 | 4 | 55.4 | -2 | 68.8 | 37 | 59.6 | 28 | 44.2 | 24 |
| Edinboro | 387 | -2 | 53.1 | 3 | 68.9 | 26 | 55.6 | 25 | 45.2 | 42 |
| Indiana | 742 | 2 | 54.4 | 1 | 71.2 | 33 | 56.4 | 27 | 44.0 | 27 |
| Kutztown | 374 | 2 | 55.0 | 1 | 72.0 | 30 | 57.9 | 29 | 44.0 | 28 |
| Lock Haven | 194 | 5 | 50.0 | -3 | 74.0 | 20 | 55.8 | 29 | 44.8 | 27 |
| Mansfield | 171 | -2 | 51.7 | -6 | 68.5 | 31 | 51.1 | 33 | 41.7 | 26 |
| Millersville | 406 | 2 | 52.7 | 1 | 67.4 | 35 | 55.5 | 24 | 42.4 | 28 |
| Shippensburg | 308 | 0 | 56.2 | -1 | 71.6 | 38 | 58.5 | 17 | 43.8 | 41 |
| Slippery Rock | 358 | -1 | 57.1 | 1 | 68.8 | 33 | 60.6 | 27 | 47.1 | 31 |
| West Chester | 591 | 3 | 49.9 | 1 | 68.0 | 25 | 55.8 | 29 | 45.4 | 21 |
| Total | 4,921 | 1 | 53.5 | a | 69.3 | 32 | 56.4 | 27 | 44.1 | 28 |
| All universities | 11,908 | 1 | 50.0 | 3 | 73.2 | 25 | 55.6 | 24 | 43.9 | 23 |

1. Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective ranks by their $t$ function. One fulltime equivalent faculty represents one fullime workload for two terms (one academic year). The summer term is treated as one term each year represent the summer term preceding the academic year plus the academic year.
2. The full-time equivalency ofnonranked faculty members is based on the time spent in instruction by filbnranked personnel, including lecturers, ad graduate assistants and volunteers.
a. Rounds to less than 1 percent.
na. Not applicable.
SOURCE: Data provided by the individual universities, 1997 and 1998.

Table 7
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION 1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-؟

| University | Undergraduate |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage change |  |  |  | Percentage change |  | Total under | Percentage change |  |  |  |
|  | Lower division | One year | Five-year average | Upper division | $\begin{gathered} \text { One- } \mathrm{Fi} \\ \text { year } \end{gathered}$ | Five-year average |  | $\begin{aligned} & \text { One- } \\ & \text { ate } \end{aligned}$ | Five year | year average |  |
| State-related |  |  |  |  |  |  |  |  |  |  |  |
| Lincoln | \$1,773 | 0\% | 3\% | \$3,738 | -3\% | 7\% | \$2,205 |  | a | 4\% |  |
| Penn State | 1,519 | 4 | 3 | 2,816 | 3 | 5 | 1,995 | 5\% | 4 |  | 5, |
| Pittsburgh | 1,724 | 2 | 3 | 3,359 | 8 | 6 | 2,237 | 4 | 4 |  | 5, |
| Temple | 1,939 | 2 | 7 | 2,603 | a | 5 | 2,307 | 1 | 6 |  | 3 , |
| Total | 1,622 | 3 | 3 | 2,864 | 3 | 5 | 2,100 | 4 | 4 |  | 4 , |
| State-owned |  |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 2,221 | a | 4 | 4,226 | 3 | 8 | 2,798 | 2 | 5 |  | 4, |
| California | 2,207 | -1 | 5 | 3,626 | 2 | 3 | 2,660 | -1 | 4 |  | 3, |
| Cheyney | 3,674 | 9 | 9 | 6,165 | 17 | 10 | 4,388 | 11 | 10 |  | 2, |
| Clarion | 2,259 | -1 | 2 | 4,769 | a | 6 | 2,961 | a | 4 |  | 5, |
| East Stroudsburg | 2,300 | 2 | 3 | 3,972 | -6 | 2 | 2,789 | -2 | 2 |  | 2, |
| Edinboro | 2,453 | 4 | 6 | 4,176 | 5 | 5 | 3,044 | 4 | 6 |  | 4 , |
| Indiana | 2,062 | 2 | 5 | 4,535 | 3 | 8 | 2,832 | 2 | 6 |  | 6, |
| Kutztown | 2,056 | 2 | 2 | 4,566 | 1 | 6 | 2,910 | 1 | 4 |  | 4, |
| Lock Haven | 2,049 | -12 | 1 | 4,638 | 18 | 7 | 2,847 | 1 | 4 |  | 2, |
| Mansfield | 2,170 | -3 | 4 | 4,717 | -6 | 3 | 3,158 | -5 | 5 |  | 4, |
| Millersville | 2,776 | 3 | 7 | 3,661 | 1 | 3 | 3,103 | 2 | 6 |  | 2, |
| Shippensburg | 2,263 | -4 | 3 | 3,984 | 1 | 2 | 2,758 | -1 | 2 |  | 3, |
| Slippery Rock | 2,482 | a | 5 | 4,359 | 4 | 5 | 3,044 | 2 | 5 |  | 4, |
| West Chester | 2,291 | -2 | 2 | 3,872 | 6 | 5 | 2,799 | a | 3 |  | 4 , |
| Total | 2,289 | a | 4 | 4,241 | 2 | 5 | 2,907 | 1 | 5 |  | 4 , |
| All universities | 1,936 | 2 | 3 | 3,411 | 2 | 5 | 2,459 | 2 | 4 |  | 4 , |

1. The average instructional faculty salary cost per futlme equivalent stucent for each level is calculated as follows: the instructional assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is total fulltime equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three studel
a. Rounds to less than 1 percent.
b. The master's level included the doctor's level in 1992-93.

SOURCE: Data provided by the individual universities, 199b 1998.

LINCOLN UNIVERSITY
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT ${ }^{1} 1$
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
$1997-98$

| CIP classification | Undergraduate |  |  | Graduate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  |  |  |
|  | Lower division | Upper division | under graduate | Master's | First pre fessional | Doctor's |
| Agriculture | -- | -- | -- | -- | -- | -- |
| Architecture and environmental design | -- | -- | -- | -- | -- | -- |
| Area and ethnic studies | -- | -- | -- | -- | -- | -- |
| Business | \$1,228 | \$3,943 | \$2,550 | \$2,775 | -- | -- |
| Communications | -- | -- | -- | -- | -- | -- |
| Computer and information sciences | 1,612 | 3,592 | 1,927 | -- | -- | -- |
| Consumer, personal and miscellaneous services | -- | -- | -- | -- | -- | -- |
| Education | 1,752 | 2,691 | 1,958 | 2,479 | -- | -- |
| Engineering | - | -- | -- | -- | -- | -- |
| Foreign languages | 2,132 | 6,659 | 2,675 | -- | -- | -- |
| Health | -- | -- | -- | -- | -- | -- |
| Home economics | -- | -- | -- | -- | -- | -- |
| Industrial arts | -- | -- | -- | -- | -- | -- |
| Law | -- | -- | -- | -- | -- | -- |
| Letters | 1,684 | 5,353 | 2,020 | -- | -- | -- |
| Liberal/general studies | -- | -- | -- | -- | -- | -- |
| Library and archival sciences | -- | -- | -- | -- | -- | -- |
| Life sciences | 1,045 | 5,150 | 1,541 | -- | -- | -- |
| Mathematics | 1,885 | 5,938 | 2,093 | -- | -- | -- |
| Military sciences | -- | -- | -- | -- | -- | -- |
| Multi/interdisciplinary studies | 1,331 | -- | 1,331 | -- | -- | -- |
| Parks and recreation | , | -- | -- | -- | -- | -- |
| Personal and social development | -- | -- | -- | -- | -- | -- |
| Philosophy, religion and theology | 1,274 | 4,337 | 1,557 | -- | -- | -- |
| Physical sciences | 3,154 | 4,007 | 3,426 | -- | -- | -- |
| Psychology | 1,801 | 4,559 | 2,644 | -- | -- | -- |
| Public affairs and protective services | -- | -- |  | 1,560 | -- | -- |
| Social sciences | 1,813 | 3,082 | 2,321 | 2,404 | -- | -- |
| Trade and industrial | -- | -- | -- | -- | -- | -- |
| Visual and performing arts | -- | -- | -- | -- | -- | -- |
| Other | -- | -- | -- | -- | -- | -- |
| Total | 1,773 | 3,738 | 2,205 | 1,767 | -- | -- |

1. The average instructional faculty salary cost per futlme 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 futlime equivalent studens 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, 1998; CIP classifications - U.S. Department of Education, National Center for Education StatisticsClassification of Instructional Programs1991.

Table 8B

## PENNSYLVANIA STATE UNIVERSITY

## AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT ${ }^{1}$ BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION <br> 1997-98

| CIP classification | Undergraduate |  |  | Graduate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | Lower division | Upper division | under graduate | Master's | First pro fessional | Doctor's |
| Agriculture | \$2,156 | \$2,276 | \$2,250 | \$8,754 | -- | \$10,000 |
| Architecture and environmental design | 1,170 | 4,616 | 2,506 | 14,671 | -- | 14,670 |
| Area and ethnic studies | 1,612 | 4,457 | 2,235 | 7,793 | -- | 10,095 |
| Business | 1,519 | 2,389 | 2,049 | 5,005 | -- | 28,334 |
| Communications | 897 | 2,593 | 1,917 | 13,004 | -- | 14,930 |
| Computer and information sciences | 1,991 | 3,613 | 2,293 | 2,740 | -- | 17,846 |
| Consumer, personal and miscellaneous services | -- | -- | -- | -- | -- | -- |
| Education | 1,519 | 3,068 | 2,484 | 2,063 | -- | 6,613 |
| Engineering | 3,548 | 4,065 | 3,910 | 9,042 | -- | 16,184 |
| Foreign languages | 1,588 | 2,268 | 1,754 | 6,529 | -- | 12,618 |
| Health | 1,501 | 2,893 | 2,358 | 6,461 | -- | 15,755 |
| Home economics | 671 | 2,029 | 1,289 | 3,512 | -- | 11,307 |
| Industrial arts | -- | -- | -- | -- | -- | -- |
| Law | -- | -- | -- |  | -- | -- |
| Letters | 1,793 | 2,235 | 1,916 | 6,656 | -- | 11,181 |
| Liberal/general studies | 2,954 | 2,637 | 2,673 | 4,806 | -- | -- |
| Library and archival sciences | 1,556 | 604 | 1,294 | -- | -- | -- |
| Life sciences | 1,267 | 2,434 | 1,564 | 7,439 | -- | 13,650 |
| Mathematics | 1,765 | 3,620 | 1,936 | 2,649 | -- | 14,148 |
| Military sciences | -- | -- | -- | -- | -- | -- |
| Multi/interdisciplinary studies | 1,528 | 2,232 | 1,944 | 5,568 | -- | 7,236 |
| Parks and recreation | 678 | 1,349 | 1,191 | 11,919 | -- | 12,206 |
| Personal and social development | -- | -- | -- | -- | -- | -- |
| Philosophy, religion and theology | 1,103 | 3,543 | 1,374 | 7,120 | -- | 14,328 |
| Physical sciences | 1,566 | 3,768 | 1,978 | 10,340 | -- | 16,531 |
| Psychology | 614 | 2,181 | 1,186 | 6,236 | -- | 7,464 |
| Public affairs and protective services | 1,098 | 2,032 | 1,775 | 4,552 | -- | 15,354 |
| Social sciences | 1,101 | 2,635 | 1,505 | 9,165 | -- | 14,657 |
| Trade and industrial | 3,380 | -- | 3,380 | -- | -- | -- |
| Visual and performing arts | 1,253 | 4,058 | 1,896 | 9,486 |  | 9,332 |
| Other | -- | -- | -- | -- | -- | -- |
| Total | 1,519 | 2,816 | 1,995 | 5,048 | -- | 12,897 |

1. The average instructional faculty salary cost per futlme 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 futlime 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, 1998; CIP classifications - U.S. Department of Education, National Center for Education Statistic\&lassification of Instructional Programs, 1991.

Table 8C

## UNIVERSITY OF PITTSBURGH

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT ${ }^{1}$ BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION

1997-98

| CIP classification | Undergraduate |  |  | Graduate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  |  |  |
|  | Lower division | Upper division | under graduate | Master's | First pro fessional | Doctor's |
| Agriculture | -- | -- | -- | -- | -- | -- |
| Architecture and environmental design | -- | -- | -- | -- | -- | -- |
| Area and ethnic studies | \$1,757 | \$4,310 | \$2,704 | \$3,636 | -- | \$24,392 |
| Business | 2,112 | 2,273 | 2,214 | 3,074 | -- | 31,470 |
| Communications | 1,971 | 5,132 | 4,027 | 2,704 | -- | 13,821 |
| Computer and information sciences | 1,302 | 3,407 | 1,795 | 3,368 | -- | 13,859 |
| Consumer, personal and miscellaneous services | -- | -- | -- | -- | -- | -- |
| Education | 1,564 | 2,455 | 2,036 | 2,921 | -- | 8,145 |
| Engineering | 3,409 | 3,854 | 3,664 | 8,096 | -- | 13,556 |
| Foreign languages | 2,106 | 2,890 | 2,299 | 8,005 | --- | 16,347 |
| Health | 2,117 | 4,087 | 3,653 | 8,420 | \$1,214 | 10,491 |
| Home economics | -- | 2,900 | 2,900 | 10,448 | -- | -- |
| Industrial arts | -- | -- | -- | -- | -- | -- |
| Law | -- | -- | -- | -- | 2,356 | -- |
| Letters | 1,915 | 2,822 | 2,154 | 4,487 | -- | 13,394 |
| Liberal/general studies | -- | -- | -- | -- | -- | -- |
| Library and archival sciences | -- | 1,777 | 1,777 | 2,903 | -- | 12,830 |
| Life sciences | 1,889 | 4,370 | 2,643 | 15,743 | -- | 25,189 |
| Mathematics | 1,667 | 3,445 | 1,897 | 7,702 | -- | 16,674 |
| Military sciences | -- | -- | -- | -- | -- | -- |
| Multi/interdisciplinary studies | 1,399 | 5,203 | 1,991 | 1,891 | -- | -- |
| Parks and recreation | -- | -- | -- | -- | -- | -- |
| Personal and social development | -- | -- | -- | -- | -- | -- |
| Philosophy, religion and theology | 1,765 | 4,056 | 2,127 | 12,385 | -- | 23,732 |
| Physical sciences | 1,755 | 7,543 | 2,156 | 12,822 | -- | 12,003 |
| Psychology | 930 | 2,374 | 1,243 | 11,064 | -- | 12,910 |
| Public affairs and protective services | 1,712 | 2,063 | 1,984 | 3,627 | -- | 6,849 |
| Social sciences | 1,586 | 3,569 | 2,179 | 10,520 | -- | 16,905 |
| Trade and industrial | -- | - | -- | -- | -- | - |
| Visual and performing arts | 1,410 | 5,018 | 1,963 | 8,087 | -- | 16,744 |
| Other | -- | -- | -- | -- | -- | -- |
| Total | 1,724 | 3,359 | 2,237 | 5,287 | 1,721 | 12,024 |

1. The average instructional faculty salary cost per futlme 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 futlime 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, 1998; CIP classifications - U.S. Department of Education, National Center for Education StatisticsClassification of Instructional Programs 1991.

Table 8D
TEMPLE UNIVERSITY
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT ${ }^{1}$ BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION

1997-98

| CIP classification | Undergraduate |  |  | Graduate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  |  |  |
|  | Lower division | Upper division | under graduate | Master's | First pro fessionáal | Doctor's |
| Agriculture | \$2,255 | \$3,094 | \$2,661 | \$2,510 | -- | -- |
| Architecture and environmental design | 2,481 | 3,874 | 3,390 | 3,432 | -- | -- |
| Area and ethnic studies | 2,016 | 2,787 | 2,378 | 5,140 | -- | \$6,420 |
| Business | 1,743 | 2,429 | 2,191 | 2,487 | -- | 12,850 |
| Communications | 1,623 | 3,051 | 2,458 | 4,357 | -- | 7,421 |
| Computer and information sciences | 1,705 | 3,351 | 2,611 | 3,108 | -- | 8,732 |
| Consumer, personal and miscellaneous services | -- | -- | -- | -- | -- | -- |
| Education | 1,638 | 2,262 | 2,089 | 2,552 | -- | 5,077 |
| Engineering | 3,585 | 4,051 | 3,933 | 7,659 | -- | 25,314 |
| Foreign languages | 2,316 | 3,217 | 2,735 | 2,899 | -- | 6,997 |
| Health | 1,562 | 1,374 | 1,392 | 2,694 | \$4,633 | 7,523 |
| Home economics | -- | -- | -- | -- | -- | -- |
| Industrial arts | -- | -- | -- | -- | -- | -- |
| Law | 1,693 | 3,324 | 2,473 | 3,895 | 3,416 | -- |
| Letters | 2,207 | 2,748 | 2,405 | 8,666 | -- | 6,634 |
| Liberal/general studies | 1,198 | 1,111 | 1,172 | 3,417 | -- | -- |
| Library and archival sciences | -- | -- | -- | -- | -- | -- |
| Life sciences | 843 | 2,166 | 1,565 | 3,977 | -- | 8,684 |
| Mathematics | 2,169 | 2,802 | 2,388 | 3,436 | -- | 20,496 |
| Military sciences | -- | -- | -- | -- | -- | -- |
| Multi/interdisciplinary studies | 802 | -- | 802 | -- | -- | -- |
| Parks and recreation | 1,969 | 4,239 | 3,516 | 3,407 | -- | 9,942 |
| Personal and social development | -- | -- | -- | -- | -- | -- |
| Philosophy, religion and theology | 2,561 | 3,729 | 3,104 | 8,825 | -- | 13,432 |
| Physical sciences | 1,869 | 2,670 | 2,213 | 4,274 | -- | 12,183 |
| Psychology | 1,210 | 1,944 | 1,626 | 3,066 | -- | 8,051 |
| Public affairs and protective services | 1,469 | 2,241 | 2,023 | 2,738 | -- | 7,009 |
| Social sciences | 1,819 | 2,585 | 2,196 | 3,574 | -- | 8,465 |
| Trade and industrial | -- | -- | -- | -- | -- | -- |
| Visual and performing arts | 2,615 | 3,606 | 3,119 | 6,082 | -- | 9,942 |
| Other | -- | -- | -- | -- | -- | -- |
| Total | 1,939 | 2,603 | 2,307 | 3,280 | 3,958 | 8,475 |

1. The average instructional faculty salary cost per futlme 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 futlime 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, 1998; CIP classifications - U.S. Department of Education, National Center for Education StatisticsClassification of Instructional Programs1991.

Table 8E
STATE-OWNED UNIVERSITIES
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT ${ }^{1}$
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
$1997-98$

| CIP classification | Undergraduate |  |  | Graduate |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  |  |  |
|  | Lower division | Upper division | under graduate | Master's | Firstprofessional | Doctor's |
| Agriculture | \$2,383 | \$3,703 | \$2,436 | -- | -- | -- |
| Architecture and |  |  |  |  |  |  |
| Area and ethnic studies | 2,278 | 3,782 | 2,948 | 4,173 | -- | -- |
| Business | 2,235 | 3,513 | 2,947 | 3,820 | -- | -- |
| Communications 2,042 3,926 2,825 5,581 <br> Computer and     |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Consumer, personal and miscellaneous services | -- | -- | -- | -- | -- | -- |
| Education ${ }^{2}$ | 1,860 | 3,684 | 2,925 | 2,958 | -- | \$5,789 |
| Engineering | 5,421 | 5,933 | 5,722 | 3,877 | -- | -- |
| Foreign languages | 3,106 | 6,352 | 3,563 | 4,704 | -- | -- |
| Health ${ }^{3}$ | 2,859 | 5,019 | 4,192 | 4,927 | -- | 1,259 |
| Home economics | 1,740 | 3,683 | 2,636 | 15,833 | -- | -- |
| Industrial arts | 4,645 | 5,747 | 5,180 | 2,677 | -- | -- |
| Law | 2,139 | 2,438 | 2,263 | 3,211 | -- | -- |
| Letters ${ }^{2}$ | 2,319 | 3,863 | 2,604 | 6,683 | -- | 5,644 |
| Liberal/general studies | 1,196 | 1,424 | 1,215 | -- | -- | -- |
| Library and archival |  |  |  |  |  |  |
| Life sciences | 2,573 | 6,243 | 3,320 | 7,232 | -- | -- |
| Mathematics | 2,487 | 4,942 | 2,727 | 6,040 | -- | -- |
| Military sciences | -- | -- | -- | -- | -- | -- |
| Multi/interdisciplinary |  |  |  |  |  |  |
| Parks and recreation | 2,542 | 3,643 | 3,056 | 7,527 | -- | -- |
| Personal and social development | 2,644 | 5,327 | 3,139 | 4,013 | -- | -- |
| Philosophy, religion and theology | 2,107 | 3,646 | 2,333 | 5,396 | -- | -- |
| Physical sciences | 3,018 | 9,981 | 3,843 | 13,133 | -- | -- |
| Psychology ${ }^{2}$ | 1,726 | 3,451 | 2,301 | 3,606 | -- | 7,165 |
| Public affairs and protective services | 1,852 | 3,451 | 2,704 | 3,564 | -- | -- |
| Social sciences ${ }^{2}$ | 1,758 | 4,053 | 2,250 | 6,520 | -- | 5,996 |
| Trade and industrial | 4,927 | 9,232 | 6,003 |  | -- | -- |
| Visual and performing arts | 2,676 | 6,567 | 3,553 | 11,824 | -- | -- |
| Other | 5,412 | 9,112 | 5,437 | 1,736 | -- | -- |
| Total | 2,289 | 4,241 | 2,907 | 4,039 | -- | 3,786 |

1. The average instructional faculty salary cost per futlme 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 futlime 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 for Indiana University only.
3. Doctor's level for Slippery Rock University only.

SOURCE: Data provided by the individual Statewned universities, 1998; CIP classifications - U.S. Department of Education, National Center for Education Statisticœ/assification of Instructional Programs, 1991.

Table 9
AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL ${ }^{1}$ 1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-!

| University | Undergraduate |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage change |  |  | Percentage change |  |  | Percentage change |  |  |
|  | $\begin{aligned} & \text { Class } \\ & \text { size } \end{aligned}$ | One year | Five-year average | Class size | One year | Five-year average | Class size | One year | Five-year average |
| Staterelated |  |  |  |  |  |  |  |  |  |
| Lincoln | 22 | -4\% | -2\% | 12 | 0\% | -4\% | 19 | 0\% | -2\% |
| Penn State | 31 | 3 | 0 | 27 | 4 | 0 | 29 | 0 | -1 |
| Pittsburgh | 30 | 3 | -1 | 22 | -4 | -4 | 27 | 0 | -1 |
| Temple | 26 | 0 | -1 | 22 | 0 | -2 | 24 | 0 | -1 |
| Total | 29 | 0 | -1 | 24 | 0 | -2 | 27 | 0 | -1 |
| Stateowned |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 24 | 4 | -1 | 15 | 0 | -3 | 20 | 0 | -2 |
| California | 29 | -3 | 0 | 17 | 0 | -1 | 24 | 0 | 0 |
| Cheyney | 17 | -6 | -5 | 11 | 0 | -4 | 15 | 0 | -5 |
| Clarion | 33 | 0 | 0 | 14 | -7 | -4 | 24 | -4 | -2 |
| East Stroudsburg | 29 | 0 | 1 | 19 | 6 | 2 | 25 | 4 | 2 |
| Edinboro | 25 | 0 | -2 | 17 | 0 | -1 | 22 | 0 | -2 |
| Indiana | 28 | 0 | -1 | 13 | -7 | -5 | 21 | 0 | -2 |
| Kutztown | 29 | -3 | 1 | 16 | 7 | -1 | 22 | -4 | -1 |
| Lock Haven | 30 | 0 | 1 | 18 | -18 | 1 | 25 | -7 | 1 |
| Mansfield | 26 | 0 | -1 | 9 | 12 | -2 | 15 | 7 | -2 |
| Millersville | 25 | 0 | -1 | 20 | 0 | 4 | 23 | 0 | 1 |
| Shippensburg | 29 | 4 | 1 | 21 | 5 | 6 | 26 | 4 | 3 |
| Slippery Rock | 31 | 0 | 0 | 16 | 0 | 0 | 24 | 0 | -1 |
| West Chester | 24 | 0 | 0 | 14 | 0 | -1 | 20 | 0 | 0 |
| Total | 27 | 0 | -1 | 15 | 0 | -1 | 22 | 0 | -1 |
| All universities | 28 | 0 | -1 | 19 | 0 | -2 | 24 | 0 | -1 |

1. Average class size for each level is calculated by dividing total classroom student credit hours by total classroom course (assigne a. The master's level included the doctor's level prior to 1996-97.

SOURCE: Data provided by the individual universities, 1993 to 1998.

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIL 1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-s

| University | Undergraduate |  |  |  |  |  | Gradua |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | In- State |  |  | Out-of-State |  |  | In-State |  |  | - |
|  | Tuition and required fees | Percentage change |  | Tuition and required fees | Percentage change |  | Tuition and required fees | Percentage change | change <br> veyear average |  |
| State-related |  |  |  |  |  |  |  |  |  |  |
| Lincoln | \$4,392 | 5\% | 10\% | \$6,910 | 6\% | 12\% | \$5,576 | a | 5\% | ! |
| Penn State ${ }^{2}$ | 5,832 | 4 | 5 | 12,406 | 4 | 6 | 6,502 | 4\% | 5 |  |
| Pittsburgh ${ }^{2}$ | 6,164 | 5 | 5 | 12,928 | 6 | 6 | 8,154 | 5 | 5 | 16, |
| Temple | 6,150 | 6 | 5 | 11,032 | 3 | 4 | 7,672 | 8 | 6 | 10, |
| Average | 5,634 | 5 | 6 | 10,819 | 5 | 6 | 6,976 | 4 | 6 | 12, |
| Stateowned |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 4,278 | 3 | 8 | 9,634 | 3 | 10 | 4,133 | 3 | 8 | 6, |
| California | 4,475 | 4 | 6 | 9,831 | 3 | 9 | 4,377 | 4 | 7 | 7, |
| Cheyney | 4,023 | 3 | 7 | 9,379 | 3 | 10 | 3,850 | 3 | 7 | 6 , |
| Clarion | 4,378 | 3 | 6 | 9,734 | 3 | 9 | 4,278 | 3 | 6 | 7, |
| East Stroudsburg | 4,322 | 3 | 6 | 9,678 | 3 | 9 | 4,166 | 3 | 6 | 6 , |
| Edinboro | 4,193 | 3 | 7 | 9,549 | 3 | 9 | 4,366 | 7 | 8 | 7, |
| Indiana | 4,204 | 3 | 7 | 9,560 | 3 | 9 | 4,093 | 3 | 8 | 6, |
| Kutztown | 4,219 | 2 | 7 | 9,575 | 3 | 9 | 4,089 | 3 | 8 | 6 , |
| Lock Haven | 4,062 | 2 | 5 | 9,418 | 3 | 8 | 4,062 | 2 | 5 | 6, |
| Mansfield | 4,354 | 8 | 7 | 9,710 | 5 | 10 | 3,944 | 3 | 6 | 6 , |
| Millersville | 4,400 | 3 | 5 | 9,756 | 3 | 8 | 4,400 | 3 | 5 | 7, |
| Shippensburg | 4,344 | 3 | 6 | 9,700 | 3 | 9 | 4,144 | 3 | 5 | 6, |
| Slippery Rock | 4,302 | 3 | 6 | 9,658 | 3 | 9 | 4,475 | 7 | 7 | 7, |
| West Chester | 4,162 | 3 | 6 | 9,518 | 3 | 9 | 4,044 | 3 | 7 | 6, |
| Average | 4,265 | 3 | 6 | 9,621 | 3 | 9 | 4,173 | 4 | 7 | 6, |

1. Excludes first-professional level.
2. Main campus data only.
a. Rounds to less than 1 percent.

SOURCE: Pennsylvania Department of EducationColleges and UniversitiesBasic Student Charges, 1992-93 to 1995-96; Pennsylvania Colleges and Universities-Education Digest1996-97 and 1997-98.

Table 11
TUITION AND FEE REVENUES RELATED TO FULL-TIME EQUIVALENT STUDENTS ${ }^{1}$
1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-98)

| University | Total tuition and fee revenues |  |  | Tuition and fee revenues per FTE student |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage change |  |  | Percentage change |  |  |  |
|  | Amount (000s) | One year | Fiveyear average | Amount | Oneyear change | One year | Five-year average |
| State-related |  |  |  |  |  |  |  |
| Lincoln | \$12,447 | 17\% | 22\% | \$6,030 | \$320 | 6\% | 11\% |
| Penn State | 467,588 | -1 | 9 | 6,930 | -260 | -4 | 7 |
| Pittsburgh | 240,564 | 7 | 4 | 8,440 | 350 | 4 | 5 |
| Temple | 181,984 | 5 | 3 | 7,920 | 530 | 7 | 6 |
| Total | 902,583 | 2 | 6 | 7,460 | 40 | 1 | 6 |
| State-owned |  |  |  |  |  |  |  |
| Bloomsburg | 32,704 | 4 | 8 | 4,460 | 130 | 3 | 8 |
| California | 23,534 | 5 | 3 | 4,340 | 40 | 1 | 6 |
| Cheyney | 6,265 | 5 | 3 | 4,770 | 160 | 3 | 5 |
| Clarion | 23,715 | 3 | 5 | 4,160 | 70 | 2 | 5 |
| East Stroudsburg | 27,189 | 7 | 6 | 4,930 | 150 | 3 | 5 |
| Edinboro | 29,390 | 2 | 2 | 4,500 | 180 | 4 | 5 |
| Indiana | 61,789 | 4 | 6 | 4,770 | 160 | 3 | 7 |
| Kutztown | 31,151 | 5 | 6 | 4,520 | 140 | 3 | 6 |
| Lock Haven | 14,841 | 4 | 2 | 4,360 | 10 | a | 4 |
| Mansfield | 12,807 | 3 | 1 | 4,650 | 210 | 5 | 4 |
| Millersville | 32,578 | 4 | 4 | 4,690 | 120 | 3 | 4 |
| Shippensburg | 27,206 | 3 | 5 | 4,470 | 90 | 2 | 5 |
| Slippery Rock | 28,922 | 2 | 2 | 4,340 | 110 | 3 | 5 |
| West Chester | 47,995 | 5 | 6 | 4,770 | 90 | 2 | 6 |
| Total | 400,086 | 4 | 5 | 4,570 | 120 | 3 | 6 |
| All universities | 1,302,669 | 3 | 6 | 6,250 | 80 | 1 | 6 |

1. Tuition and fee revenues are based on collections by the individual universities. FTE students includefitate and out-of-State undergraduate and graduate students. Excludes medical school data.
a. Rounds to less than 1 percent.

SOURCE: Tuition and fee revenues data provided by the individual Stateelated universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1993 to 1998; FTE studentslata provided by the individual universities, 1993 to 1998.

Table 12
COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS RELATED TO FULL -TIME EQUIVALENT STUDENTS ${ }^{1}$ 1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-98)

| University | Total instructional appropriations |  |  | Instructional appropriations per FTE student |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage change |  |  |  | Percentage change |  |  |
|  | Amount (000s) | One year | Five-year average | Amount | Oneyear change | One year | Five-year average |
| State-related |  |  |  |  |  |  |  |
| Lincoln | \$9,958 | 2\% | 1\% | \$4,820 | -\$410 | -8\% | -4\% |
| Penn State | 218,984 | 2 | 3 | 3,250 | -10 | a | 2 |
| Pittsburgh | 134,880 | 2 | 3 | 4,730 | -40 | -1 | 3 |
| Temple | 141,767 | 2 | 2 | 6,170 | 240 | 4 | 5 |
| Total | 505,589 | 2 | 3 | 4,180 | 10 | a | 2 |
| State-owned |  |  |  |  |  |  |  |
| Bloomsburg | 30,519 | 2 | 2 | 4,160 | 30 | 1 | 2 |
| California | 27,909 | 1 | 4 | 5,150 | -120 | -2 | 7 |
| Cheyney | 13,248 | 2 | 2 | 10,090 | 0 | 0 | 3 |
| Clarion | 28,689 | 1 | 3 | 5,040 | -10 | a | 4 |
| East Stroudsburg | 21,135 | 4 | 1 | 3,830 | 10 | a | a |
| Edinboro | 29,652 | 3 | 3 | 4,540 | 210 | 5 | 7 |
| Indiana | 57,230 | 1 | 3 | 4,420 | 30 | 1 | 5 |
| Kutztown | 29,315 | 2 | 2 | 4,250 | 30 | 1 | 3 |
| Lock Haven | 17,501 | 4 | 4 | 5,140 | 10 | a | 5 |
| Mansfield | 16,595 | 3 | 3 | 6,020 | 280 | 5 | 6 |
| Millersville | 31,315 | 1 | 3 | 4,510 | -10 | a | 3 |
| Shippensburg | 27,343 | 3 | 3 | 4,490 | 100 | 2 | 3 |
| Slippery Rock | 31,498 | 3 | 3 | 4,720 | 150 | 3 | 5 |
| West Chester | 39,083 | 1 | 1 | 3,890 | -80 | -2 | 1 |
| Total ${ }^{2}$ | 401,032 | 2 | 3 | 4,580 | 40 | 1 | 4 |
| All universities ${ }^{2}$ | 906,621 | 2 | 3 | 4,350 | 20 | a | 3 |

1. Instructional appropriations include educational and general appropriations and, for 1993-94 to 1995-96, Tuition Challenge Grants. FTE students include in-State ancout-of-State undergraduate and graduate students. Excludes medical school data.
2. Excludes amount of instructional appropriation allocated to Office of the ChancelldicKeever Center, Faculty Professional Development, University Center and System Reserve of the State System of Higher Education.
a. Rounds to less than 1 percent.

SOURCE: Instructional appropriations-Governor's Executive Budget 1994-95 to 1998-99; data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1993 to 1998. FTE students- data provided by the individual univerties, 1993 to 1998.

## TUITION AND FEE REVENUES, COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS AND STUDENT AID

 RELATED TO FULL-TIME EQUIVALENT STUDENTS ${ }^{1}$1997-98, CHANGE FROM 1996-97 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1992-93 to 1997-98)

| University | Per FTE student |  |  | Ratio of instructional appropriations to total instructional revenues |  |  | Student aid per FTE sturdent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Tuition and fee revenues | Instructional appropriations | Total instructional revenues | Percentage | $\begin{aligned} & \text { Percenta } \\ & \text { One } \\ & \text { year } \end{aligned}$ | ge change Fiveyear average |  |
| Staterelated |  |  |  |  |  |  |  |
| Lincoln | \$6,030 | \$4,820 | \$10,850 | 44\% | -8\% | -6\% | \$550 |
| Penn State | 6,930 | 3,250 | 10,180 | 32 | 3 | -2 | 506 |
| Pittsburgh | 8,440 | 4,730 | 13,170 | 36 | -3 | -1 | 526 |
| Temple | 7,920 | 6,170 | 14,090 | 44 | -2 | a | 533 |
| Total | 7,460 | 4,180 | 11,640 | 36 | 0 | -1 | 517 |
| State-owned |  |  |  |  |  |  |  |
| Bloomsburg | 4,460 | 4,160 | 8,620 | 48 | -2 | -2 | 542 |
| California | 4,340 | 5,150 | 9,490 | 54 | -2 | 0 | 640 |
| Cheyney | 4,770 | 10,090 | 14,860 | 68 | -1 |  | 856 |
| Clarion | 4,160 | 5,040 | 9,200 | 55 | 0 | a | 724 |
| East Stroudsburg | 4,930 | 3,830 | 8,760 | 44 | 0 | -2 | 476 |
| Edinboro | 4,500 | 4,540 | 9,040 | 50 | 0 | 1 | 720 |
| Indiana | 4,770 | 4,420 | 9,190 | 48 | -2 | -1 | 718 |
| Kutztown | 4,520 | 4,250 | 8,770 | 48 | -2 | -2 | 471 |
| Lock Haven | 4,360 | 5,140 | 9,500 | 54 | 0 | a | 743 |
| Mansfield | 4,650 | 6,020 | 10,670 | 56 | 0 | a | 754 |
| Millersville | 4,690 | 4,510 | 9,200 | 49 | -2 | a | 479 |
| Shippensburg | 4,470 | 4,490 | 8,960 | 50 | 0 | -1 | 489 |
| Slippery Rock | 4,340 | 4,720 | 9,060 | 52 | 0 | a | 624 |
| West Chester | 4,770 | 3,890 | 8,660 | 45 | -2 | -2 | 416 |
| Tota ${ }^{\beta}$ | 4,570 | 4,580 | 9,150 | 50 | -2 | -1 | 592 |
| All universities ${ }^{3}$ | 6,250 | 4,350 | 10,600 | 41 | 0 | -1 | 548 |

1. Tuition and fee revenues are based on collections by the individual universities. Instructional appropriations include educational and general appropriations and, for 1993-94 to 1995-96, Tuition Challenge Grants. FTE students includeState andout-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 ChancelldtcKeever Center, Faculty Professional Development, University Center and System Reserve of the State System of Higher Education.
a. Rounds to less than 1 percent.

SOURCE: Tuition and fee revenues data provided by the individual Stateelated universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1993 to 1998; instructional appropriation§overnor's Executive Budget 1994-95 to 1998-99; data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1993 to 1998; FTE students data provided by the individual universities, 1993 to 1998; student aid - data provided by the Pennsylvania Higher Education Assistance Agency, August 1998.
III. HISTORICAL DATA

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL ${ }^{1}$
1992-93 to 1997-98

| University | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State-related |  |  |  |  |  |  |
| Lincoln |  |  |  |  |  |  |
| Total | 1,531 | 1,496 | 1,416 | 1,546 | 1,865 | 2,064 |
| Undergraduate | 1,321 | 1,272 | 1,217 | 1,317 | 1,573 | 1,641 |
| Graduate | 210 | 224 | 199 | 229 | 292 | 423 |
| Penn State |  |  |  |  |  |  |
| Total | 63,161 | 61,170 | 61,082 | 64,137 | 65,811 | 67,456 |
| Undergraduate | 56,739 | 54,879 | 54,725 | 57,601 | 59,317 | 61,110 |
| Graduate | 6,422 | 6,291 | 6,357 | 6,536 | 6,494 | 6,346 |
| Pittsburgh |  |  |  |  |  |  |
| Total | 29,405 | 28,865 | 28,290 | 27,565 | 27,738 | 28,489 |
| Undergraduate | 21,638 | 20,998 | 20,478 | 20,040 | 19,929 | 20,457 |
| Graduate | 7,767 | 7,867 | 7,812 | 7,525 | 7,809 | 8,032 |
| Temple 05078 |  |  |  |  |  |  |
| Total | 25,773 | 25,349 | 25,078 | 24,399 | 23,455 | 22,989 |
| Undergraduate | 18,910 | 18,340 | 18,087 | 17,711 | 16,939 | 16,643 |
| Graduate | 6,863 | 7,009 | 6,991 | 6,688 | 6,516 | 6,346 |
| State-owned |  |  |  |  |  |  |
| Bloomsburg |  |  |  |  |  |  |
| Total | 7,379 | 7,159 | 7,040 | 7,026 | 7,225 | 7,338 |
| Undergraduate | 6,984 | 6,782 | 6,628 | 6,582 | 6,793 | 6,902 |
| Graduate | 395 | 377 | 412 | 444 | 432 | 436 |
| California |  |  |  |  |  |  |
| Total | 6,044 | 5,804 | 5,733 | 5,547 | 5,226 | 5,422 |
| Undergraduate | 5,307 | 5,047 | 4,982 | 4,690 | 4,473 | 4,654 |
| Graduate | 737 | 757 | 751 | 857 | 753 | 768 |
| Cheyney |  |  |  |  |  |  |
| Total | 1,423 | 1,412 | 1,278 | 1,303 | 1,293 | 1,313 |
| Undergraduate | 1,247 | 1,206 | 1,084 | 1,099 | 1,079 | 1,025 |
| Graduate | 176 | 206 | 194 | 204 | 214 | 288 |
| Clarion |  |  |  |  |  |  |
| Total | 5,863 | 5,633 | 5,409 | 5,534 | 5,605 | 5,695 |
| Undergraduate | 5,546 | 5,312 | 5,133 | 5,234 | 5,300 | 5,416 |
| Graduate | 317 | 321 | 276 | 300 | 305 | 279 |
| East Stroudsburg |  |  |  |  |  |  |
| Total | 5,251 | 5,277 | 5,317 | 5,263 | 5,325 | 5,514 |
| Undergraduate | 4,645 | 4,629 | 4,655 | 4,597 | 4,704 | 4,857 |
| Graduate | 606 | 648 | 662 | 666 | 621 | 657 |
|  |  |  |  |  |  |  |
| Total | 7,637 | 7,271 | 6,971 | 6,840 | 6,678 | 6,525 |
| Undergraduate | 7,231 | 6,883 | 6,556 | 6,393 | 6,258 | 6,132 |
| Graduate | 406 | 388 | 415 | 447 | 420 | 393 |
| Indiana |  |  |  |  |  |  |
| Total | 13,696 | 13,249 | 12,841 | 12,764 | 12,859 | 12,954 |
| Undergraduate | 12,541 | 12,241 | 11,795 | 11,729 | 11,739 | 11,805 |
| Graduate | 1,155 | 1,008 | 1,046 | 1,035 | 1,120 | 1,149 |
| Kutztown |  |  |  |  |  |  |
| Total | 6,926 | 6,865 | 6,909 | 6,758 | 6,791 | 6,892 |
| Undergraduate | 6,524 | 6,476 | 6,485 | 6,326 | 6,383 | 6,461 |
| Graduate | 402 | 389 | 424 | 432 | 408 | 431 |
| Lock Haven |  |  |  |  |  |  |
| Total | 3,669 | 3,520 | 3,431 | 3,243 | 3,283 | 3,403 |
| Undergraduate | 3,661 | 3,511 | 3,413 | 3,236 | 3,223 | 3,300 |
| Graduate | 8 | 9 | 18 | 7 | 60 | 103 |
| Mansfield |  |  |  |  |  |  |
| Total | 3,142 | 3,089 | 2,893 | 2,810 | 2,801 | 2,757 |
| Undergraduate | 2,953 | 2,914 | 2,744 | 2,658 | 2,653 | 2,620 |
| Graduate | 189 | 175 | 149 | 152 | 148 | 137 |
| Millersville |  |  |  |  |  |  |
| Total | 6,919 | 6,510 | 6,711 | 6,920 | 6,842 | 6,944 |
| Undergraduate | 6,093 | 5,710 | 5,957 | 6,100 | 6,046 | 6,130 |
| Graduate | 826 | 800 | 754 | 820 | 796 | 814 |
| Shippensburg |  |  |  |  |  |  |
| Total | 6,096 | 5,974 | 5,950 | 5,989 | 6,057 | 6,089 |
| Undergraduate | 5,597 | 5,467 | 5,449 | 5,459 | 5,519 | 5,561 |
| Graduate | 499 | 507 | 501 | 530 | 538 | 528 |
| Slippery Rock 0 |  |  |  |  |  |  |
| Total | 7,358 | 7,167 | 7,005 | 6,908 | 6,717 | 6,667 |
| Undergraduate | 6,738 | 6,553 | 6,382 | 6,317 | 6,130 | 6,066 |
| Graduate | 620 | 614 | 623 | 591 | 587 | 601 |
| West Chester |  |  |  |  |  |  |
| Total | 10,048 | 9,715 | 9,502 | 9,578 | 9,724 | 10,055 |
| Undergraduate | 9,003 | 8,702 | 8,565 | 8,653 | 8,765 | 9,021 |
| Graduate | 1,045 | 1,013 | 937 | 925 | 959 | 1,034 |

1. Data for each year represent the summer term preceding the academic year plus the academic year. -Forle 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, 1993 to 1998.

|  |  |  |  | CREDIT OTAL YE | Historical T <br> RS BY ACA <br> ND SUMMER (in thousa | DIVISION -93 to 1997 | LEVEL¹ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
| University | Lower division | Upper division | Total under- graduate | Master's | First professional | Doctor's | $\begin{gathered} \text { Total } \\ \text { graduate } \end{gathered}$ | $\begin{gathered} \text { Grand } \\ \text { total } \end{gathered}$ | Tc g |
| State-related |  |  |  |  |  |  |  |  |  |
| Lincoln |  |  |  |  |  |  |  |  |  |
| 1992-93 | 30 | 10 | 40 | 5 | na | na | 5 | 45 |  |
| 1993-94 | 28 | 10 | 38 | 5 | na | na | 5 | 43 |  |
| 1994-95 | 26 | 10 | 36 | 5 | na | na | 5 | 41 |  |
| 1995-96 | 30 | 10 | 40 | 6 | na | na | 6 | 46 |  |
| 1996-97 | 37 | 10 | 47 | 7 | na | na | 7 | 54 |  |
| 1997-98 | 38 | 11 | 49 | 10 | na | na | 10 | 59 |  |
| Penn State |  |  |  |  |  |  |  |  |  |
| 1992-93 | 1,092 | 611 | 1,703 | 85 | na | 69 | 154 | 1,857 |  |
| 1993-94 | 1,029 | 618 | 1,647 | 81 | na | 70 | 151 | 1,798 |  |
| 1994-95 | 1,040 | 601 | 1,641 | 85 | na | 68 | 153 | 1,794 |  |
| 1995-96 | 1,131 | 597 | 1,728 | 90 | na | 67 | 157 | 1,885 |  |
| 1996-97 | 1,171 | 608 | 1,779 | 89 | na | 67 | 156 | 1,935 |  |
| 1997-98 | 1,160 | 673 | 1,833 | 85 | na | 67 | 152 | 1,985 |  |
| Pittsburgh <br> 1992-93 | 431 | 218 | 649 | 129 | 36 | 22 | 187 | 836 |  |
| 1993-94 | 415 | 215 | 630 | 129 | 38 | 22 | 189 | 819 |  |
| 1994-95 | 405 | 209 | 614 | 128 | 38 | 22 | 188 | 802 |  |
| 1995-96 | 398 | 203 | 601 | 120 | 39 | 22 | 181 | 782 |  |
| 1996-97 | 403 | 195 | 598 | 123 | 43 | 22 | 188 | 786 |  |
| 1997-98 | 421 | 192 | 613 | 126 | 45 | 22 | 193 | 806 |  |
| Temple |  |  |  |  |  |  |  |  |  |
| 1992-93 | 262 | 305 | 567 | 87 | 54 | 24 | 165 | 732 |  |
| 1993-94 | 262 | 288 | 550 | 91 | 54 | 23 | 168 | 718 |  |
| 1994-95 | 261 | 282 | 543 | 90 | 56 | 22 | 168 | 711 |  |
| 1995-96 | 251 | 280 | 531 | 86 | 54 | 20 | 160 | 691 |  |
| 1996-97 | 233 | 275 | 508 | 85 | 53 | 18 | 156 | 664 |  |
| 1997-98 | 223 | 276 | 499 | 83 | 52 | 17 | 152 | 651 |  |
| State-owned |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 143 | 66 | 209 | 9 | na | na | 9 | 218 |  |
| 1993-94 | 139 | 64 | 203 | 9 | na | na | 9 | 212 |  |
| 1994-95 | 136 | 63 | 199 | 10 | na | na | 10 | 209 |  |
| 1995-96 | 137 | 61 | 198 | 11 | na | na | 11 | 209 |  |
| 1996-97 | 146 | 58 | 204 | 10 | na | na | 10 | 214 |  |
| 1997-98 | 147 | 60 | 207 | 10 | na | na | 10 | 217 |  |
| California |  |  |  |  |  |  |  |  |  |
| $1992-93$ $1993-94$ | 109 | 50 | 159 | 18 | na | na | 18 | 177 |  |
| 1993-94 | 104 | 47 | 151 | 18 | na | na | 18 | 169 |  |
| $1994-95$ $1995-96$ | 103 100 | 46 | 149 141 | 18 21 | na | na | 18 21 | 167 162 |  |
| 1996-97 | 89 | 45 | 134 | 18 | na | na | 18 | 152 |  |
| 1997-98 | 95 | 45 | 140 | 18 | na | na | 18 | 158 |  |
| Cheyney |  |  |  |  |  |  |  |  |  |
| 1992-93 | 28 | 9 | 37 | 4 | na | na | 4 | 41 |  |
| 1993-94 | 27 | 10 | 37 | 5 | na | na | 5 | 42 |  |
| 1994-95 | 23 | 9 | 32 | 5 | na | na | 5 | 37 |  |
| 1995-96 | 24 | 9 | 33 | 5 | na | na | 5 | 38 |  |
| 1996-97 | 23 | 9 | 32 | 5 | na | na | 5 | 37 |  |
| 1997-98 | 22 | 9 | 31 | 7 | na | na | 7 | 38 |  |
| Clarion |  |  |  |  |  |  |  |  |  |
| $1992-93$ $1993-94$ | 116 | 50 48 | 166 159 | 8 | na | na | 8 | 174 167 |  |
| 1994-95 | 108 | 46 | 154 | 7 | na | na | 7 | 161 |  |
| 1995-96 | 111 | 46 | 157 | 7 | na | na | 7 | 164 |  |
| 1996-97 | 115 | 44 | 159 | 7 | na | na | 7 | 166 |  |
| 1997-98 | 117 | 45 | 162 | 7 | na | na | 7 | 169 |  |
| East Stroudsburg |  |  |  |  |  |  |  |  |  |
| $1992-93$ $1993-94$ | 100 97 |  | 140 139 | 15 16 | na | na | 15 16 | 155 155 |  |
| $1993-94$ $1994-95$ | 97 98 | 42 | 139 140 | 16 16 | na | na | 16 16 | 155 |  |
| 1995-96 | 101 | 37 | 138 | 16 | na | na | 16 | 154 |  |
| 1996-97 | 100 | 41 | 141 | 15 | na | na | 15 | 156 |  |
| 1997-98 | 103 | 43 | 146 | 16 | na | na | 16 | 162 |  |


| Edinboro |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1992-93 | 150 | 67 | 217 | 10 | na | na | 10 | 227 |
| 1993-94 | 142 | 65 | 207 | 9 | na | na | 9 | 216 |
| 1994-95 | 135 | 62 | 197 | 10 | na | na | 10 | 207 |
| 1995-96 | 129 | 63 | 192 | 11 | na | na | 11 | 203 |
| 1996-97 | 123 | 64 | 187 | 10 | na | na | 10 | 197 |
| 1997-98 | 121 | 63 | 184 | 9 | na | na | 9 | 193 |
| Indiana |  |  |  |  |  |  |  |  |
| 1992-93 | 250 | 126 | 376 | 28 | na | b | 28 | 404 |
| 1993-94 | 244 | 123 | 367 | 19 | na | 5 | 24 | 391 |
| 1994-95 | 239 | 115 | 354 | 20 | na | 5 | 25 | 379 |
| 1995-96 | 242 | 110 | 352 | 20 | na | 5 | 25 | 377 |
| 1996-97 | 243 | 109 | 352 | 20 | na | 7 | 27 | 379 |
| 1997-98 | 244 | 110 | 354 | 21 | na | 7 | 28 | 382 |
| Kutztown |  |  |  |  |  |  |  |  |
| 1992-93 | 125 | 71 | 196 | 10 | na | na | 10 | 206 |
| 1993-94 | 125 | 69 | 194 | 9 | na | na | 9 | 203 |
| 1994-95 | 128 | 66 | 194 | 10 | na | na | 10 | 204 |
| 1995-96 | 125 | 65 | 190 | 10 | na | na | 10 | 200 |
| 1996-97 | 125 | 66 | 191 | 10 | na | na | 10 | 201 |
| 1997-98 | 128 | 66 | 194 | 10 | na | na | 10 | 204 |
| Lock Haven |  |  |  |  |  |  |  |  |
| 1992-93 | 80 | 30 | 110 | a | na | na | a | 110 |
| 1993-94 | 74 | 32 | 106 | a | na | na | a | 106 |
| 1994-95 | 71 | 31 | 102 | a | na | na | a | 102 |
| 1995-96 | 67 | 30 | 97 | a | na | na | a | 97 |
| 1996-97 | 67 | 30 | 97 | 1 | na | na | 1 | 98 |
| 1997-98 | 68 | 31 | 99 | 2 | na | na | 2 | 101 |
| 1993-94 | 55 | 32 | 87 | 4 | na | na | 4 | 91 |
| 1994-95 | 51 | 31 | 82 | 4 | na | na | 4 | 86 |
| 1995-96 | 48 | 31 | 79 | 4 | na | na | 4 | 83 |
| 1996-97 | 48 | 32 | 80 | 3 | na | na | 3 | 83 |
| 1997-98 | 48 | 31 | 79 | 3 | na | na | 3 | 82 |
| Millersville |  |  |  |  |  |  |  |  |
| 1993-94 | 114 | 57 | 171 | 19 | na | na | 19 | 190 |
| 1994-95 | 114 | 64 | 178 | 18 | na | na | 18 | 196 |
| 1995-96 | 116 | 67 | 183 | 20 | na | na | 20 | 203 |
| 1996-97 | 115 | 66 | 181 | 19 | na | na | 19 | 200 |
| Shippensburg |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1992-93 $1993-94$ | 119 118 | 49 | 168 164 | 12 12 | na | na | 12 12 | 180 176 |
| 1994-95 | 117 | 46 | 163 | 12 | na | na | 12 | 175 |
| 1995-96 | 118 | 46 | 164 | 13 | na | na | 13 | 177 |
| 1996-97 | 121 | 45 | 166 | 13 | na | na | 13 | 179 |
| Slippery Rock |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| $1992-93$ $1993-94$ | 141 138 | 61 59 | 202 197 | 15 15 | na | b | 15 15 | 217 |
| 1994-95 | 135 | 56 | 191 | 15 | na | b | 15 | 206 |
| 1995-96 | 133 | 56 | 189 | 14 | na | b | 14 | 203 |
| 1996-97 | 128 | 56 | 184 | 9 | na | 5 | 14 | 198 |
| West Chester |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1993-94 | 166 | 95 | 261 | 24 | na | na | 24 | 285 |
| 1994-95 | 165 | 92 | 257 | 22 | na | na | 22 | 279 |
| 1995-96 | 169 | 91 | 260 | 22 | na | na | 22 | 282 |
| 1996-97 | 174 | 89 | 263 | 23 | na | na | 23 | 286 |
| 1997-98 | 184 | 87 | 271 | 25 | na | na | 25 | 296 |

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 for all universities.
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, 1993 to 1998.

|  |  |  | 3 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | DEGR 199 | $\begin{aligned} & \text { FERRED }{ }^{1} \\ & \text { 997-98 } \end{aligned}$ |  |  |  |
| University | 1992-93 | 1993-94 | 1994-95 | 1995-96 | 1996-97 | 1997-98 |
| State-related |  |  |  |  |  |  |
| Lincoln |  |  |  |  |  |  |
| Total | 250 | 313 | 298 | 310 | 328 | 318 |
| Bachelor's | 188 | 220 | 224 | 240 | 219 | 185 |
| Graduate | 62 | 93 | 74 | 70 | 109 | 133 |
| Penn State |  |  |  |  |  |  |
| Total | 11,452 | 11,510 | 11,292 | 11,049 | 11,484 | 11,686 |
| Bachelor's | 9,387 | 9,231 | 8,981 | 8,716 | 8,993 | 9,059 |
| Graduate | 2,065 | 2,279 | 2,311 | 2,333 | 2,491 | 2,627 |
| Pittsburgh |  |  |  |  |  |  |
| Total | 6,761 | 6,872 | 6,993 | 6,543 | 6,668 | 6,514 |
| Bachelor's | 4,185 | 4,065 | 4,020 | 3,885 | 3,962 | 3,854 |
| Graduate | 2,576 | 2,807 | 2,973 | 2,658 | 2,706 | 2,660 |
| Temple |  |  |  |  |  |  |
| Total | 5,804 | 5,748 | 5,768 | 5,538 | 5,472 | 5,534 |
| Bachelor's | 3,660 | 3,382 | 3,299 | 3,162 | 3,070 | 3,212 |
| Graduate | 2,144 | 2,366 | 2,469 | 2,376 | 2,402 | 2,322 |
| State-owned |  |  |  |  |  |  |
| Bloomsburg |  |  |  |  |  |  |
| Total | 1,568 | 1,593 | 1,543 | 1,553 | 1,469 | 1,464 |
| Bachelor's | 1,347 | 1,368 | 1,354 | 1,323 | 1,231 | 1,239 |
| Graduate | 221 | 225 | 189 | 230 | 238 | 225 |
| California |  |  |  |  |  |  |
| Total | 1,241 | 1,194 | 1,133 | 1,235 | 1,255 | 1,238 |
| Bachelor's | 976 | 923 | 865 | 911 | 906 | 921 |
| Graduate | 265 | 271 | 268 | 324 | 349 | 317 |
| Cheyney |  |  |  |  |  |  |
| Total | 238 | 251 | 268 | 223 | 263 | 274 |
| Bachelor's | 151 | 173 | 189 | 132 | 147 | 178 |
| Graduate | 87 | 78 | 79 | 91 | 116 | 96 |
| Clarion |  |  |  |  |  |  |
| Total | 1,146 | 1,195 | 1,025 | 1,039 | 1,004 | 1,010 |
| Bachelor's | 972 | 1,014 | 858 | 890 | 863 | 850 |
| Graduate | 174 | 181 | 167 | 149 | 141 | 160 |
| East Stroudsburg |  |  |  |  |  |  |
| Total | 1,057 | 1,023 | 1,075 | 1,068 | 1,034 | 1,047 |
| Bachelor's | 864 | 826 | 852 | 824 | 788 | 821 |
| Graduate | 193 | 197 | 223 | 244 | 246 | 226 |
| Edinboro |  |  |  |  |  |  |
| Total | 1,399 | 1,453 | 1,401 | 1,312 | 1,298 | 1,251 |
| Bachelor's | 1,230 | 1,284 | 1,191 | 1,131 | 1,094 | 1,066 |
| Graduate | 169 | 169 | 210 | 181 | 204 | 185 |
| Indiana |  |  |  |  |  |  |
| Total | 2,756 | 2,742 | 2,591 | 2,656 | 2,446 | 2,604 |
| Bachelor's | 2,293 | 2,254 | 2,116 | 2,110 | 1,956 | 2,060 |
| Graduate | 463 | 488 | 475 | 546 | 490 | 544 |
| Kutztown |  |  |  |  |  |  |
| Total | 1,440 | 1,382 | 1,351 | 1,310 | 1,362 | 1,313 |
| Bachelor's | 1,204 | 1,199 | 1,154 | 1,086 | 1,147 | 1,111 |
| Graduate | 236 | 183 | 197 | 224 | 215 | 202 |
| Lock Haven |  |  |  |  |  |  |
| Total | 568 | 646 | 625 | 584 | 586 | 582 |
| Bachelor's | 564 | 645 | 624 | 582 | 583 | 557 |
| Graduate | 4 | 1 | 1 | 2 | 3 | 25 |
| Mansfield |  |  |  |  |  |  |
| Total | 632 | 656 | 611 | 528 | 581 | 540 |
| Bachelor's | 548 | 564 | 538 | 467 | 490 | 456 |
| Graduate | 84 | 92 | 73 | 61 | 91 | 84 |
| Millersville |  |  |  |  |  |  |
| Total | 1,438 | 1,468 | 1,367 | 1,380 | 1,398 | 1,439 |
| Bachelor's | 1,266 | 1,293 | 1,215 | 1,229 | 1,219 | 1,257 |
| Graduate | 172 | 175 | 152 | 151 | 179 | 182 |
| Shippensburg |  |  |  |  |  |  |
| Total | 1,543 | 1,546 | 1,435 | 1,422 | 1,471 | 1,362 |
| Bachelor's | 1,247 | 1,230 | 1,114 | 1,139 | 1,161 | 1,058 |
| Graduate | 296 | 316 | 321 | 283 | 310 | 304 |
| Slippery Rock |  |  |  |  |  |  |
| Total | 1,478 | 1,374 | 1,381 | 1,362 | 1,366 | 1,264 |
| Bachelor's | 1,311 | 1,242 | 1,195 | 1,151 | 1,153 | 1,107 |
| Graduate | 167 | 132 | 186 | 211 | 213 | 157 |
| West Chester |  |  |  |  |  |  |
| Total | 2,088 | 1,964 | 2,001 | 1,877 | 1,841 | 1,903 |
| Bachelor's | 1,718 | 1,666 | 1,620 | 1,492 | 1,489 | 1,509 |
| Graduate | 370 | 298 | 381 | 385 | 352 | 394 |

[^5]SOURCE: Data provided by the individual universities, 1993 to 1998.

| University | Fulltime employed facult ${ }^{2}$ |  |  |  |  |  |  Undergraduate <br> average weekly student contact hours     <br> 1992 1993 1994 1995 1996 1997 |  |  |  |  |  | av 19 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Staterelated |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lincoln | 77 | 81 | 83 | 81 | 86 | 94 | 9.7 | 9.5 | 9.9 | 9.7 | 10.3 | 10.4 | 1.1 |
| Penn State | 2,947 | 2,954 | 2,943 | 3,000 | 3,026 | 2,975 | 6.7 | 6.7 | 6.7 | 6.6 | 6.7 | 6.8 | 1.8 |
| Pittsburgh | 1,735 | 1,739 | 1,770 | 1,721 | 1,733 | 1,780 | 4.6 | 4.5 | 4.4 | 4.8 | 4.4 | 4.4 | 3.9 |
| Temple | 1,151 | 1,129 | 1,137 | 1,088 | 1,078 | 1,033 | 5.0 | 4.9 | 5.0 | 5.3 | 5.6 | 5.4 | 3.9 |
| Total | 5,910 | 5,903 | 5,933 | 5,890 | 5,923 | 5,882 | 5.8 | 5.7 | 5.7 | 5.9 | 5.9 | 5.9 | 2.8 |
| State-owned |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 359 | 360 | 355 | 366 | 368 | 372 | 11.1 | 11.2 | 11.4 | 11.1 | 11.3 | 11.2 | . 9 |
| California | 330 | 285 | 279 | 286 | 259 | 257 | 9.9 | 9.2 | 10.0 | 10.2 | 10.0 | 10.5 | 1.2 |
| Cheyney | 73 | 87 | 92 | 90 | 91 | 87 | 11.6 | 10.5 | 10.2 | 10.5 | 11.0 | 11.0 | 1.1 |
| Clarion | 341 | 333 | 340 | 346 | 340 | 339 | 10.7 | 10.9 | 11.2 | 10.5 | 10.9 | 10.5 | . 7 |
| East Stroudsburg | 260 | 257 | 258 | 263 | 251 | 246 | 11.1 | 10.9 | 10.9 | 10.9 | 10.9 | 11.2 | . 9 |
| Edinboro | 383 | 375 | 373 | 363 | 380 | 345 | 12.3 | 12.5 | 12.8 | 12.8 | 12.8 | 13.2 | . 7 |
| Indiana | 702 | 692 | 712 | 715 | 720 | 726 | 9.9 | 10.2 | 9.8 | 9.8 | 10.2 | 10.1 | 1.2 |
| Kutzown | 345 | 352 | 358 | 357 | 373 | 364 | 11.5 | 11.5 | 11.4 | 11.4 | 11.0 | 11.3 | . 6 |
| Lock Haven | 205 | 200 | 200 | 202 | 185 | 197 | 12.5 | 11.8 | 11.5 | 11.8 | 10.9 | 11.1 | . 1 |
| Mansfield | 171 | 175 | 174 | 176 | 167 | 161 | 10.5 | 10.8 | 11.2 | 10.6 | 10.6 | 11.1 | . 3 |
| Millersville ${ }^{3}$ | 290 | 294 | 305 | 332 | 328 | 324 | 10.8 | 11.2 | 11.6 | 10.3 | 10.1 | 10.6 | . 8 |
| Shippensburg | 310 | 311 | 317 | 312 | 308 | 299 | 9.7 | 9.5 | 9.4 | 10.4 | 10.2 | 9.8 | . 9 |
| Slippery Rock | 366 | 383 | 378 | 378 | 369 | 371 | 11.0 | 11.0 | 10.8 | 10.4 | 9.9 | 9.4 | . 7 |
| West Chester | 548 | 540 | 538 | 541 | 530 | 543 | 10.6 | 10.8 | 10.8 | 10.6 | 10.6 | 10.3 | 1.6 |
| Total | 4,683 | 4,644 | 4,679 | 4,727 | 4,669 | 4,631 | 10.8 | 10.8 | 10.9 | 10.8 | 10.7 | 10.7 | . 9 |
| All universities | 10,593 | 10,547 | 10,612 | 10,617 | 10,592 | 10,513 | 7.9 | 7.9 | 7.9 | 8.0 | 7.9 | 7.9 | 2.0 |

1. Averages calculated for the fultime employed faculty who reported completworkweeks of 100 hours or less for the fall term.
2. The number of fultime employed faculty represents those reported by each university for the fall term; sabbatical and other on-leave facu
3. In Fall 1995 there were changes in definitions and procedures used to gather workweek data making prior yeborscomparable.

SOURCE: Data provided by the individual universities, 1993 to 1998.

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK ${ }^{1}$ 1992-93 to 1997-98 (Dollars in thousands)

| University | FTE instructional faculty | All |  | Average instructional salaries |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Associate | Assist |  |
|  |  | faculty | Professor | professor | professor | In |
| State-related |  |  |  |  |  |  |
| Lincoln |  |  |  |  |  |  |
| 1992-93 | 95 | \$29.8 | \$37.7 | \$33.9 | \$28.3 | \$ |
| 1993-94 | 98 | 31.8 | 43.9 | 34.6 | 28.9 |  |
| 1994-95 | 99 | 33.0 | 47.4 | 37.8 | 29.6 |  |
| 1995-96 | 104 | 33.7 | 47.3 | 40.0 | 31.2 |  |
| 1996-97 | 121 | 33.2 | 51.8 | 42.2 | 31.0 |  |
| 1997-98 | 135 | 32.4 | 54.1 | 39.8 | 29.8 |  |
| Penn State |  |  |  |  |  |  |
| 1992-93 | 3,456 | 40.0 | 66.3 | 48.0 | 39.1 |  |
| 1993-94 | 3,445 | 42.7 | 69.0 | 49.8 | 41.2 |  |
| 1994-95 | 3,395 | 43.9 | 71.5 | 51.6 | 41.7 |  |
| 1995-96 | 3,482 | 45.1 | 75.4 | 52.6 | 42.6 |  |
| 1996-97 | 3,557 | 45.5 | 76.4 | 53.8 | 43.8 |  |
| 1997-98 | 3,654 | 48.1 | 83.6 | 56.7 | 46.3 |  |
| Pittsburgh |  |  |  |  |  |  |
| 1992-93 | 1,877 | 41.5 | 65.1 | 45.3 | 36.2 |  |
| 1993-94 | 1,838 | 42.8 | 67.1 | 47.9 | 37.1 |  |
| 1994-95 | 1,865 | 43.9 | 70.3 | 48.1 | 38.4 |  |
| 1995-96 | 1,907 | 43.8 | 70.6 | 48.4 | 37.6 |  |
| 1996-97 | 1,855 | 44.9 | 71.7 | 49.6 | 38.4 |  |
| 1997-98 | 1,833 | 47.8 | 75.0 | 52.0 | 41.0 |  |
| Temple |  |  |  |  |  |  |
| 1992-93 | 1,532 | 38.2 | 58.5 | 45.7 | 36.9 |  |
| 1993-94 | 1,504 | 39.7 | 61.9 | 48.3 | 38.3 |  |
| 1994-95 | 1,537 | 42.4 | 66.4 | 51.9 | 40.2 |  |
| 1995-96 | 1,445 | 45.4 | 70.4 | 54.7 | 38.7 |  |
| 1996-97 | 1,426 | 46.0 | 71.3 | 54.9 | 39.3 |  |
| 1997-98 | 1,365 | 47.1 | 72.0 | 56.1 | 41.0 |  |
| State-owned |  |  |  |  |  |  |
| Bloomsburg |  |  |  |  |  |  |
| 1992-93 | 389 | 43.3 | 56.0 | 45.1 | 35.7 |  |
| 1993-94 | 393 | 47.5 | 61.2 | 49.1 | 39.3 |  |
| 1994-95 | 389 | 50.2 | 63.8 | 51.9 | 40.6 |  |
| 1995-96 | 392 | 52.4 | 66.1 | 53.4 | 42.0 |  |
| 1996-97 | 397 | 51.7 | 65.1 | 53.7 | 43.1 |  |
| 1997-98 | 405 | 52.7 | 67.7 | 54.7 | 42.5 |  |
| California |  |  |  |  |  |  |
| 1992-93 | 309 | 45.3 | 59.8 | 47.7 | 37.6 |  |
| 1993-94 | 280 | 53.4 | 64.6 | 55.1 | 43.6 |  |
| 1994-95 | 284 | 52.7 | 66.0 | 53.2 | 44.1 |  |
| 1995-96 | 285 | 54.7 | 68.6 | 56.4 | 44.0 |  |
| 1996-97 | 272 | 54.0 | 66.8 | 53.8 | 43.3 |  |
| 1997-98 | 279 | 53.4 | 66.8 | 54.8 | 44.8 |  |
| Cheyney |  |  |  |  |  |  |
| 1992-93 | 87 | 46.8 | 58.1 | 45.6 | 40.1 |  |
| 1993-94 | 95 | 46.3 | 57.0 | 44.1 | 40.8 |  |
| 1994-95 | 93 | 49.8 | 60.8 | 47.8 | 44.3 |  |
| 1995-96 | 96 | 52.9 | 69.2 | 54.1 | 43.1 |  |
| 1996-97 | 99 | 50.0 | 64.2 | 50.6 | 41.1 |  |
| 1997-98 | 103 | 51.0 | 63.4 | 54.0 | 45.3 |  |
| Clarion |  |  |  |  |  |  |
| 1992-93 | 333 | 45.6 | 58.8 | 47.4 | 37.8 |  |
| 1993-94 | 329 | 49.8 | 63.7 | 52.2 | 40.6 |  |
| 1994-95 | 330 | 51.1 | 66.2 | 53.5 | 42.5 |  |
| 1995-96 | 327 | 53.4 | 68.4 | 56.1 | 43.1 |  |
| 1996-97 | 327 | 53.0 | 69.2 | 55.5 | 42.6 |  |
| 1997-98 | 326 | 53.9 | 69.4 | 58.0 | 42.6 |  |
| East Stroudsburg |  |  |  |  |  |  |
| 1992-93 | 294 | 44.1 | 54.9 | 43.9 | 33.6 |  |
| 1993-94 | 292 | 47.7 | 57.9 | 49.6 | 38.0 |  |
| 1994-95 | 293 | 49.9 | 60.4 | 51.1 | 40.2 |  |
| 1995-96 | 302 | 51.5 | 63.4 | 52.5 | 42.0 |  |
| $1996-97^{\text {a }}$ | 266 | 56.6 | 70.4 | 58.1 | 46.2 |  |
| 1997-98 | 277 | 55.4 | 68.8 | 59.6 | 44.2 |  |


| Edinboro |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1992-93 | 416 | 44.4 | 56.8 | 46.3 | 36.6 |
| 1993-94 | 416 | 47.4 | 60.9 | 49.1 | 39.3 |
| 1994-95 | 409 | 49.9 | 64.5 | 51.4 | 41.3 |
| 1995-96 | 401 | 51.3 | 65.3 | 51.7 | 43.4 |
| 1996-97 | 393 | 51.8 | 67.2 | 54.3 | 43.5 |
| 1997-98 | 387 | 53.1 | 68.9 | 55.6 | 45.2 |
| Indiana |  |  |  |  |  |
| 1992-93 | 713 | 46.3 | 56.2 | 47.4 | 38.8 |
| 1993-94 | 721 | 50.4 | 62.1 | 50.4 | 41.0 |
| 1994-95 | 726 | 52.3 | 64.9 | 52.6 | 42.5 |
| 1995-96 | 701 | 55.3 | 67.9 | 55.2 | 44.5 |
| 1996-97 | 729 | 54.0 | 67.2 | 54.7 | 43.0 |
| 1997-98 | 742 | 54.4 | 71.2 | 56.4 | 44.0 |
| Kutztown |  |  |  |  |  |
| 1992-93 | 363 | 47.9 | 59.6 | 48.5 | 38.5 |
| 1993-94 | 367 | 50.9 | 64.5 | 51.9 | 41.3 |
| 1994-95 | 373 | 52.6 | 67.1 | 54.7 | 42.2 |
| 1995-96 | 371 | 55.0 | 70.6 | 56.6 | 43.9 |
| 1996-97 | 368 | 54.6 | 71.1 | 55.9 | 43.2 |
| 1997-98 | 374 | 55.0 | 72.0 | 57.9 | 44.0 |
| Lock Haven |  |  |  |  |  |
| 1992-93 | 194 | 44.6 | 60.8 | 49.4 | 37.5 |
| 1993-94 | 185 | 49.3 | 65.5 | 53.4 | 42.4 |
| 1994-95 | 183 | 51.4 | 67.8 | 55.6 | 43.5 |
| 1995-96 | 181 | 52.9 | 68.9 | 59.1 | 43.2 |
| 1996-97 | 185 | 51.5 | 68.4 | 57.5 | 44.2 |
| 1997-98 | 194 | 50.0 | 74.0 | 55.8 | 44.8 |
| Mansfield |  |  |  |  |  |
| 1992-93 | 175 | 46.7 | 61.8 | 49.9 | 40.2 |
| 1993-94 | 181 | 49.1 | 64.4 | 52.0 | 41.5 |
| 1994-95 | 184 | 51.4 | 67.7 | 55.0 | 44.1 |
| 1995-96 | 177 | 54.6 | 70.6 | 57.5 | 45.2 |
| 1996-97 | 175 | 54.8 | 70.7 | 55.3 | 45.2 |
| 1997-98 | 171 | 51.7 | 68.5 | 51.1 | 41.7 |
| Millersville |  |  |  |  |  |
| 1992-93 | 355 | 47.2 | 60.7 | 49.6 | 38.6 |
| 1993-94 | 361 | 50.8 | 64.6 | 52.7 | 41.9 |
| 1994-95 | 394 | 50.9 | 63.8 | 53.4 | 41.5 |
| 1995-96 | 407 | 51.7 | 65.9 | 53.7 | 41.6 |
| 1996-97 | 397 | 52.2 | 66.5 | 54.2 | 41.3 |
| 1997-98 | 406 | 52.7 | 67.4 | 55.5 | 42.4 |
| Shippensburg |  |  |  |  |  |
| 1992-93 | 311 | 49.9 | 58.8 | 48.0 | 38.2 |
| 1993-94 | 304 | 54.1 | 64.3 | 52.7 | 41.5 |
| 1994-95 | 307 | 55.9 | 67.8 | 55.4 | 42.4 |
| 1995-96 | 309 | 57.6 | 70.1 | 58.3 | 44.2 |
| 1996-97 | 308 | 56.8 | 69.7 | 57.1 | 44.6 |
| 1997-98 | 308 | 56.2 | 71.6 | 58.5 | 43.8 |
| Slippery Rock |  |  |  |  |  |
| 1992-93 | 384 | 47.3 | 58.4 | 45.9 | 39.4 |
| 1993-94 | 381 | 49.7 | 61.7 | 49.0 | 40.5 |
| 1994-95 | 380 | 52.8 | 64.9 | 51.9 | 42.7 |
| 1995-96 | 371 | 54.5 | 67.1 | 54.7 | 44.2 |
| 1996-97 | 360 | 56.5 | 70.3 | 57.7 | 45.5 |
| 1997-98 | 358 | 57.1 | 68.8 | 60.6 | 47.1 |
| West Chester |  |  |  |  |  |
| 1992-93 | 576 | 45.0 | 60.8 | 49.8 | 38.9 |
| 1993-94 | 571 | 49.4 | 66.0 | 54.4 | 43.5 |
| 1994-95 | 560 | 49.0 | 64.4 | 54.7 | 43.1 |
| 1995-96 | 577 | 50.0 | 67.1 | 55.1 | 44.3 |
| 1996-97 | 575 | 49.4 | 67.0 | 55.0 | 43.8 |
| 1997-98 | 591 | 49.9 | 68.0 | 55.8 | 45.4 |

1. Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective ranks by their totainfellequivalency in the ins full-time equivalent faculty represents one futtime workloadfor two terms (one academic year). The summer term is treated as one term or ohalf of the academic year. Data for eact term preceding the academic year plus the academic year.
2. The fulltime equivalency ofnonranked faculty members is based on the time spent in instruction by foldnranked personnel, including lecturers, administrators, librarians, resea 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, 1993 to 1998.

Historical Table 6
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND L 1992-93 to 1997-98

| University | Lower division |  |  |  |  |  | Upper division |  |  |  |  |  | Total undergraduate |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 1992 \\ 93 \end{gathered}$ | $\begin{gathered} 1993- \\ 94 \end{gathered}$ | $\begin{gathered} 1994- \\ 95 \end{gathered}$ | $\begin{array}{r} 1995 \\ 96 \end{array}$ | $\begin{array}{r} 1996-2 \\ 97 \end{array}$ | $\begin{array}{r} 1997- \\ 98 \end{array}$ | $\begin{array}{r} \hline 1992 \\ 93 \end{array}$ | $\begin{array}{r} 1993- \\ 94 \end{array}$ | $4 \quad 1994-$ | $\begin{array}{r} 1995- \\ 5 \quad 96 \end{array}$ | $\begin{gathered} \hline 1996- \\ 97 \end{gathered}$ | $\begin{gathered} \hline 1997- \\ 7 \quad 98 \end{gathered}$ | $\begin{gathered} 1992- \\ 9 \end{gathered}$ | $93 \quad 1993-$ | $94$ | $95$ | $96^{1996-}$ | $97^{1997}$ |
| Staterelated |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lincoln | \$1,533 | \$1,843 | \$2,028 | \$1,910 | \$1,773 | \$1,773 | \$2,719 \$ | \$3,005 | \$3,268 | \$3,573 \$ | \$3,865 | \$3,738 | \$1,821 | \$2,146 | \$2,367 | \$2,323 | \$2,214 | \$2,20 |
| Penn State | 1,328 | 1,439 | 1,488 | 1,454 | 1,456 | 1,519 | 2,283 | 2,518 | 2,600 | 2,691 | 2,731 | 2,816 | 1,670 | 1,844 | 1,895 | 1,881 | 1,892 | 1,99 |
| Pittsburgh | 1,491 | 1,536 | 1,567 | 1,709 | 1,686 | 1,724 | 2,580 | 2,856 | 3,025 | 2,964 | 3,124 | 3,359 | 1,858 | 1,985 | 2,063 | 2,132 | 2,154 | 2,23 |
| Temple | 1,454 | 1,510 | 1,656 | 1,733 | 1,906 | 1,939 | 2,108 | 2,258 | 2,470 | 2,533 | 2,605 | 2,603 | 1,805 | 1,902 | 2,079 | 2,155 | 2,284 | 2,30 |
| Total | 1,388 | 1,479 | 1,540 | 1,556 | 1,569 | 1,622 | 2,296 | 2,520 | 2,653 | 2,709 | 2,780 | 2,864 | 1,739 | 1,890 | 1,973 | 1,990 | 2,019 | 2,10 |
| State-owned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 1,851 | 2,119 | 2,243 | 2,298 | 2,215 | 2,221 | 2,971 | 3,385 | 3,747 | 4,069 | 4,120 | 4,226 | 2,206 | 2,518 | 2,717 | 2,843 | 2,754 | 2,79 |
| California | 1,790 | 2,000 | 2,041 | 2,243 | 2,235 | 2,207 | 3,095 | 3,365 | 3,488 | 3,872 | 3,571 | 3,626 | 2,198 | 2,426 | 2,491 | 2,713 | 2,685 | 2,66 |
| Cheyney | 2,521 | 2,725 | 3,206 | 3,349 | 3,382 | 3,674 | 4,126 | 4,639 | 5,172 | 5,977 | 5,285 | 6,165 | 2,916 | 3,230 | 3,776 | 4,057 | 3,941 | 4,38 |
| Clarion | 2,034 | 2,309 | 2,308 | 2,351 | 2,276 | 2,259 | 3,603 | 4,072 | 4,610 | 4,760 | 4,761 | 4,769 | 2,510 | 2,843 | 2,997 | 3,062 | 2,966 | 2,96 |
| East Stroudsburg | 2,039 | 2,162 | 2,251 | 2,438 | 2,254 | 2,300 | 3,605 | 3,825 | 3,963 | 4,305 | 4,241 | 3,972 | 2,484 | 2,661 | 2,760 | 2,937 | 2,835 | 2,78 |
| Edinboro | 1,879 | 2,058 | 2,288 | 2,354 | 2,361 | 2,453 | 3,289 | 3,833 | 4,001 | 4,113 | 3,990 | 4,176 | 2,317 | 2,613 | 2,826 | 2,934 | 2,920 | 3,04 |
| Indiana ${ }^{2}$ | 1,649 | 1,919 | 1,959 | 2,036 | 2,015 | 2,062 | 3,207 | 3,623 | 4,134 | 4,373 | 4,419 | 4,535 | 2,173 | 2,489 | 2,667 | 2,763 | 2,763 | 2,83 |
| Kutztown | 1,849 | 1,954 | 1,972 | 2,136 | 2,017 | 2,056 | 3,458 | 3,924 | 4,250 | 4,473 | 4,508 | 4,566 | 2,435 | 2,655 | 2,747 | 2,937 | 2,876 | 2,91 |
| Lock Haven | 1,955 | 2,019 | 2,131 | 2,335 | 2,320 | 2,049 | 3,404 | 3,846 | 4,054 | 4,238 | 3,915 | 4,638 | 2,344 | 2,568 | 2,719 | 2,924 | 2,814 | 2,84 |
| Mansfield | 1,822 | 1,811 | 2,164 | 2,243 | 2,235 | 2,170 | 4,098 | 4,547 | 4,940 | 5,153 | 5,004 | 4,717 | 2,537 | 2,821 | 3,222 | 3,385 | 3,338 | 3,15 |
| Millersville | 2,036 | 2,429 | 2,554 | 2,591 | 2,695 | 2,776 | 3,123 | 3,341 | 3,548 | 3,732 | 3,633 | 3,661 | 2,406 | 2,732 | 2,912 | 3,010 | 3,036 | 3,10 |
| Shippensburg | 2,004 | 2,243 | 2,277 | 2,358 | 2,353 | 2,263 | 3,611 | 3,894 | 4,076 | 4,305 | 3,937 | 3,984 | 2,471 | 2,705 | 2,788 | 2,899 | 2,784 | 2,75 |
| Slippery Rock ${ }^{3}$ | 2,009 | 2,144 | 2,385 | 2,380 | 2,478 | 2,482 | 3,499 | 3,764 | 3,987 | 4,120 | 4,199 | 4,359 | 2,456 | 2,626 | 2,854 | 2,897 | 2,998 | 3,04 |
| West Chester | 2,117 | 2,319 | 2,315 | 2,426 | 2,349 | 2,291 | 3,081 | 3,433 | 3,551 | 3,741 | 3,660 | 3,872 | 2,456 | 2,723 | 2,756 | 2,885 | 2,793 | 2,79 |
| Total | 1,922 | 2,127 | 2,225 | 2,321 | 2,290 | 2,289 | 3,328 | 3,712 | 3,992 | 4,218 | 4,139 | 4,241 | 2,370 | 2,638 | 2,794 | 2,922 | 2,879 | 2,90 |
| All universities | 1,648 | 1,796 | 1,872 | 1,917 | 1,906 | 1,936 | 2,722 | 3,009 | 3,204 | 3,325 | 3,337 | 3,411 | 2,030 | 2,234 | 2,349 | 2,409 | 2,403 | 2,45 |

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 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 instructi three student credit hours generated.
2. The master's level included the doctor's level in 1992-93.
3. The master's level included the doctor's level prior to 1997-98.

SOURCE: Data provided by the individual universities, 1993 to 1998.

Historical Table 7
AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER STUDENT C REDIT HOUR BY ACADEMIC DIVISION AND LEVEL 1992-93 to 1997-98


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 ac (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 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 Historical Table 6).
2. The master's level included the doctor's level in 1992-93.
3. The master's level included the doctor's level prior to 1997-98.

SOURCE: Data provided by the individual universities, 1993 to 1998.

Historical Table 8
AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL ${ }^{1}$ 992-93 to 1997-98

| University | Lower division |  |  |  |  |  | Upper division |  |  |  |  |  | Total undergraduate |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 1992 \\ 93 \end{gathered}$ | $\begin{gathered} 1993- \\ 94 \end{gathered}$ | $\begin{gathered} 1994- \\ 95 \end{gathered}$ | $\begin{array}{r} 1995 \\ 96 \end{array}$ | $\begin{array}{r} \hline 1996- \\ 97 \end{array}$ | $\begin{array}{r} \hline 1997- \\ 98 \end{array}$ | $\begin{gathered} \hline 1992-2 \\ 93 \end{gathered}$ | $\begin{gathered} \hline 1993-94 \end{gathered}$ | $1994$ | $\begin{array}{r} 1995- \\ 9 \end{array}$ | $6^{1996}$ | $97^{1997-} 98$ | 1992- | $93^{1993-}$ | $\begin{aligned} & 1994- \\ & 94 \end{aligned}$ | $\begin{aligned} & 1995- \\ & 95 \end{aligned}$ | $\begin{aligned} & 1996-1 \\ & 96 \end{aligned}$ | $\begin{aligned} & 1997 \\ & 97 \end{aligned}$ |
| State-related |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lincoln | 24 | 21 | 20 | 21 | 23 | 22 | 15 | 14 | 13 | 13 | 12 | 12 | 21 | 19 | 18 | 18 | 19 | 19 |
| Penn State | 31 | 30 | 30 | 31 | 30 | 31 | 27 | 27 | 26 | 26 | 26 | 27 | 30 | 29 | 29 | 29 | 29 | 29 |
| Pittsburgh | 31 | 29 | 29 | 29 | 29 | 30 | 27 | 26 | 24 | 24 | 23 | 22 | 29 | 28 | 27 | 27 | 27 | 27 |
| Temple | 27 | 27 | 26 | 28 | 26 | 26 | 24 | 23 | 22 | 23 | 22 | 22 | 25 | 25 | 24 | 25 | 24 | 24 |
| Total | 30 | 29 | 29 | 30 | 29 | 29 | 26 | 25 | 24 | 24 | 24 | 24 | 28 | 28 | 27 | 27 | 27 | 27 |
| State-owned |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bloomsburg | 25 | 23 | 23 | 23 | 23 | 24 | 18 | 17 | 16 | 15 | 15 | 15 | 22 | 21 | 20 | 20 | 20 | 20 |
| California | 29 | 31 | 31 | 29 | 30 | 29 | 18 | 19 | 18 | 17 | 17 | 17 | 24 | 26 | 25 | 24 | 24 | 24 |
| Cheyney | 23 | 22 | 19 | 19 | 18 | 17 | 14 | 12 | 12 | 11 | 11 | 11 | 20 | 18 | 16 | 16 | 15 | 15 |
| Clarion | 33 | 32 | 32 | 33 | 33 | 33 | 17 | 17 | 15 | 15 | 15 | 14 | 26 | 25 | 24 | 24 | 25 | 24 |
| East Stroudsburg | 27 | 27 | 28 | 28 | 29 | 29 | 17 | 18 | 18 | 19 | 18 | 19 | 23 | 24 | 24 | 25 | 24 | 25 |
| Edinboro | 28 | 26 | 26 | 26 | 25 | 25 | 18 | 17 | 17 | 17 | 17 | 17 | 24 | 23 | 22 | 23 | 22 | 22 |
| Indiana | 30 | 29 | 29 | 29 | 28 | 28 | 17 | 16 | 15 | 14 | 14 | 13 | 24 | 23 | 22 | 22 | 21 | 21 |
| Kutztown | 28 | 28 | 29 | 28 | 30 | 29 | 17 | 16 | 15 | 15 | 15 | 16 | 23 | 22 | 22 | 22 | 23 | 22 |
| Lock Haven | 28 | 29 | 28 | 28 | 30 | 30 | 17 | 13 | 17 | 20 | 22 | 18 | 24 | 21 | 24 | 25 | 27 | 25 |
| Mansfield | 27 | 28 | 26 | 26 | 26 | 26 | 10 | 9 | 8 | 9 | 8 | 9 | 17 | 16 | 14 | 15 | 14 | 15 |
| Millersville | 26 | 25 | 25 | 26 | 25 | 25 | 17 | 19 | 19 | 19 | 20 | 20 | 22 | 22 | 23 | 23 | 23 | 23 |
| Shippensburg | 28 | 28 | 28 | 28 | 28 | 29 | 16 | 16 | 17 | 16 | 20 | 21 | 23 | 23 | 23 | 23 | 25 | 26 |
| Slippery Rock ${ }^{2}$ | 31 | 31 | 30 | 31 | 31 | 31 | 16 | 16 | 16 | 16 | 16 | 16 | 25 | 24 | 24 | 24 | 24 | 24 |
| West Chester | 24 | 23 | 23 | 24 | 24 | 24 | 15 | 15 | 14 | 14 | 14 | 14 | 20 | 19 | 19 | 19 | 20 | 20 |
| Total | 28 | 27 | 27 | 27 | 27 | 27 | 16 | 16 | 15 | 15 | 15 | 15 | 23 | 22 | 22 | 22 | 22 | 22 |
| All universities | 29 | 28 | 28 | 28 | 28 | 28 | 21 | 20 | 20 | 19 | 19 | 19 | 25 | 25 | 24 | 24 | 24 | 24 |

1. Average class size for each level is calculated by dividing total classroom student credit hours by total classroom course (assigned) credits.
2. The master's level included the doctor's level prior to 1996-97.
a. No classroom instruction.

SOURCE: Data provided by the individual universities, 1993 to 1998.

Historical Table 9
COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS ${ }^{1}$
1992-93 to 1997-98
(in millions)

| University | $\begin{gathered} 1992- \\ 93 \end{gathered}$ | $\begin{gathered} 1993- \\ 94 \end{gathered}$ | $\begin{gathered} 1994- \\ 95 \end{gathered}$ | $\begin{gathered} 1995- \\ 96 \end{gathered}$ | $\begin{gathered} 1996- \\ 97 \end{gathered}$ | $\begin{gathered} 1997- \\ 98 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State-related |  |  |  |  |  |  |
| Lincoln | \$9.3 | \$9.4 | \$9.6 | \$9.7 | \$9.8 | \$10.0 |
| Penn State | 189.3 | 198.5 | 207.6 | 214.7 | 214.7 | 219.0 |
| Pittsburgh | 119.3 | 123.4 | 127.6 | 130.9 | 132.2 | 134.9 |
| Temple | 128.1 | 131.6 | 134.5 | 137.3 | 139.0 | 141.8 |
| Total | 446.0 | 462.9 | 479.3 | 492.6 | 495.7 | 505.7 |
| State-owned |  |  |  |  |  |  |
| Bloomsburg | 27.3 | 28.5 | 29.6 | 29.9 | 29.8 | 30.5 |
| California | 23.4 | 24.5 | 25.4 | 27.6 | 27.5 | 27.9 |
| Cheyney | 12.3 | 12.5 | 12.7 | 12.9 | 13.0 | 13.2 |
| Clarion | 24.7 | 25.8 | 26.8 | 28.5 | 28.3 | 28.7 |
| East Stroudsburg | 19.9 | 20.6 | 21.4 | 20.3 | 20.3 | 21.1 |
| Edinboro | 25.4 | 26.6 | 27.6 | 28.8 | 28.9 | 29.7 |
| Indiana | 49.3 | 51.7 | 53.7 | 56.8 | 56.5 | 57.2 |
| Kutztown | 26.1 | 27.2 | 28.3 | 28.9 | 28.7 | 29.3 |
| Lock Haven | 14.9 | 15.5 | 16.1 | 16.8 | 16.8 | 17.5 |
| Mansfield | 14.6 | 15.0 | 15.6 | 15.9 | 16.1 | 16.6 |
| Millersville | 27.6 | 28.7 | 29.8 | 31.1 | 30.9 | 31.3 |
| Shippensburg | 23.9 | 25.0 | 25.9 | 26.7 | 26.6 | 27.3 |
| Slippery Rock | 27.3 | 28.4 | 29.6 | 30.8 | 30.7 | 31.5 |
| West Chester | 37.9 | 39.3 | 40.9 | 38.8 | 38.6 | 39.1 |
| Total ${ }^{2}$ | 354.6 | 369.3 | 383.4 | 393.8 | 392.7 | 400.9 |
| All universities ${ }^{2}$ | 800.6 | 832.2 | 862.7 | 886.4 | 888.4 | 906.6 |

1. Instructional appropriations include educational and general appropriations and for 1993-94 to 1995-96, Tuition Challenge Grants. Excludes medical school data.
2. Excludes amount of instructional appropriation allocated to Office of the Chancellor, McKeever Center, Faculty Professional Development, University Center and System Reserve of the State System of Higher Education.

SOURCE: Governor's Executive Budget, 1994-95 to 1998-99; data provided by the individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1993 to 1998.

Historical Table 10
ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIDENCE

1992-93 to 1997-98

| University | Undergraduate |  | Graduate ${ }^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | In-State | Out-of-State | In-State | Ol |
| State-related |  |  |  |  |
| Lincoln |  |  |  |  |
| 1992-93 | \$ 2,960 | \$4,380 | \$4,375 |  |
| 1993-94 | 3,140 | 4,900 | 4,800 |  |
| 1994-95 | 3,495 | 5,618 | 4,893 |  |
| 1995-96 | 3,956 | 6,144 | 5,289 |  |
| 1996-97 | 4,180 | 6,490 | 5,580 |  |
| 1997-98 | 4,392 | 6,910 | 5,576 |  |
| Penn State |  |  |  |  |
| Main Campus |  |  |  |  |
| 1992-93 | 4,618 | 9,644 | 5,158 |  |
| 1993-94 | 4,822 | 10,800 | 5,386 |  |
| 1994-95 | 5,036 | 10,724 | 5,624 |  |
| 1995-96 | 5,258 | 11,310 | 5,872 |  |
| 1996-97 | 5,624 | 11,964 | 6,268 |  |
| 1997-98 | 5,832 | 12,406 | 6,502 |  |
| Pittsburgh |  |  |  |  |
| Main Campus |  |  |  |  |
| 1992-93 | 4,922 | 10,066 | 6,516 |  |
| 1993-94 | 5,186 | 10,708 | 6,854 |  |
| 1994-95 | 5,416 | 11,240 | 7,150 |  |
| 1995-96 | 5,638 | 11,724 | 7,454 |  |
| 1996-97 | 5,870 | 12,230 | 7,770 |  |
| 1997-98 | 6,164 | 12,928 | 8,154 |  |
| Temple |  |  |  |  |
| 1992-93 | 5,008 | 9,222 | 5,828 |  |
| 1993-94 | 5,226 | 9,802 | 6,068 |  |
| 1994-95 | 5,464 | 10,246 | 6,342 |  |
| 1995-96 | 5,514 | 10,296 | 6,656 |  |
| 1996-97 | 5,828 | 10,712 | 7,088 |  |
| 1997-98 | 6,150 | 11,032 | 7,672 |  |
| State-owned |  |  |  |  |
| Bloomsburg |  |  |  |  |
| 1992-93 | 3,068 | 6,462 | 2,958 |  |
| 1993-94 | 3,458 | 7,856 | 3,338 |  |
| 1994-95 | 3,694 | 8,452 | 3,574 |  |
| 1995-96 | 3,915 | 8,889 | 3,783 |  |
| 1996-97 | 4,162 | 9,360 | 4,020 |  |
| 1997-98 | 4,278 | 9,634 | 4,133 |  |
| California |  |  |  |  |
| 1992-93 | 3,384 | 6,778 | 3,258 |  |
| 1993-94 | 3,760 | 8,158 | 3,608 |  |
| 1994-95 | 3,902 | 8,660 | 3,804 |  |
| 1995-96 | 4,136 | 9,110 | 4,038 |  |
| 1996-97 | 4,304 | 9,502 | 4,206 |  |
| 1997-98 | 4,475 | 9,831 | 4,377 |  |
| Cheyney |  |  |  |  |
| 1992-93 | 2,938 | 6,332 | 2,833 |  |
| 1993-94 | 3,319 | 7,717 | 3,184 |  |
| 1994-95 | 3,591 | 8,349 | 3,411 |  |
| 1995-96 | 3,729 | 8,703 | 3,604 |  |
| 1996-97 | 3,922 | 9,120 | 3,748 |  |
| 1997-98 | 4,023 | 9,379 | 3,850 |  |
| Clarion |  |  |  |  |
| 1992-93 | 3,328 | 6,830 | 3,253 |  |
| 1993-94 | 3,710 | 8,108 | 3,636 |  |
| 1994-95 | 3,879 | 8,637 | 3,799 |  |
| 1995-96 | 4,054 | 9,028 | 3,970 |  |
| 1996-97 | 4,268 | 9,466 | 4,144 |  |
| 1997-98 | 4,378 | 9,734 | 4,278 |  |
| East Stroudsburg |  |  |  |  |
| 1992-93 | 3,352 | 6,746 | 3,196 |  |
| 1993-94 | 3,664 | 8,062 | 3,520 |  |
| 1994-95 | 3,844 | 8,602 | 3,690 |  |
| 1995-96 | 4,016 | 8,990 | 3,862 |  |
| 1996-97 | 4,195 | 9,393 | 4,041 |  |
| 1997-98 | 4,322 | 9,678 | 4,166 |  |


| Edinboro |  |  |  |
| :---: | :---: | :---: | :---: |
| 1992-93 | 3,161 | 6,555 | 3,131 |
| 1993-94 | 3,531 | 7,929 | 3,531 |
| 1994-95 | 3,685 | 8,443 | 3,685 |
| 1995-96 | 3,924 | 8,898 | 3,924 |
| 1996-97 | 4,083 | 9,281 | 4,081 |
| 1997-98 | 4,193 | 9,549 | 4,366 |
| Indiana |  |  |  |
| 1992-93 | 3,157 | 6,551 | 2,969 |
| 1993-94 | 3,539 | 7,937 | 3,455 |
| 1994-95 | 3,725 | 8,483 | 3,620 |
| 1995-96 | 3,891 | 8,865 | 3,787 |
| 1996-97 | 4,064 | 9,262 | 3,956 |
| 1997-98 | 4,204 | 9,560 | 4,093 |
| Kutztown |  |  |  |
| 1992-93 | 3,160 | 6,639 | 2,880 |
| 1993-94 | 3,558 | 8,285 | 3,428 |
| 1994-95 | 3,699 | 8,535 | 3,569 |
| 1995-96 | 3,940 | 8,914 | 3,810 |
| 1996-97 | 4,138 | 9,336 | 3,968 |
| 1997-98 | 4,219 | 9,575 | 4,089 |
| Lock Haven |  |  |  |
| 1992-93 | 3,261 | 6,655 | 3,261 |
| 1993-94 | 3,509 | 7,907 | 3,509 |
| 1994-95 | 3,662 | 8,896 | 3,662 |
| 1995-96 | 3,822 | 8,796 | 3,822 |
| 1996-97 | 3,988 | 9,186 | 3,988 |
| 1997-98 | 4,062 | 9,418 | 4,062 |
| Mansfield |  |  |  |
| 1992-93 | 3,168 | 6,562 | 3,028 |
| 1993-94 | 3,440 | 7,838 | 3,300 |
| 1994-95 | 3,624 | 8,382 | 3,464 |
| 1995-96 | 3,804 | 8,778 | 3,624 |
| 1996-97 | 4,034 | 9,232 | 3,834 |
| 1997-98 | 4,354 | 9,710 | 3,944 |
| Millersville |  |  |  |
| 1992-93 | 3,488 | 6,882 | 3,488 |
| 1993-94 | 3,750 | 8,148 | 3,750 |
| 1994-95 | 3,920 | 8,678 | 3,920 |
| 1995-96 | 4,100 | 9,074 | 4,100 |
| 1996-97 | 4,268 | 9,466 | 4,268 |
| 1997-98 | 4,400 | 9,756 | 4,400 |
| Shippensburg |  |  |  |
| 1992-93 | 3,388 | 6,782 | 3,258 |
| 1993-94 | 3,710 | 8,108 | 3,550 |
| 1994-95 | 3,856 | 8,614 | 3,696 |
| 1995-96 | 4,010 | 8,984 | 3,850 |
| 1996-97 | 4,230 | 9,428 | 4,030 |
| 1997-98 | 4,344 | 9,700 | 4,144 |
| Slippery Rock |  |  |  |
| 1992-93 | 3,287 | 6,681 | 3,287 |
| 1993-94 | 3,547 | 7,945 | 3,547 |
| 1994-95 | 3,836 | 8,594 | 3,836 |
| 1995-96 | 4,013 | 8,987 | 4,013 |
| 1996-97 | 4,179 | 9,377 | 4,179 |
| 1997-98 | 4,302 | 9,658 | 4,475 |
| West Chester |  |  |  |
| 1992-93 | 3,158 | 6,522 | 3,040 |
| 1993-94 | 3,504 | 7,902 | 3,366 |
| 1994-95 | 3,646 | 8,404 | 3,528 |
| 1995-96 | 3,874 | 8,848 | 3,756 |
| 1996-97 | 4,032 | 9,230 | 3,914 |
| 1997-98 | 4,162 | 9,518 | 4,044 |

1. Excludes first-professional level.

SOURCE: Pennsylvania Department of Education, Colleges and Universities-Basic Student Charges, 1992-93 to 1995-96; Pennsylvania Department of Educ Colleges and Universities-Education Digest, 1996-97 and 1997-98.

## 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:

| FTE Instructional faculty salaries | Number of FTE instructional faculty |  | Average FTE instructional faculty salary |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Average | Average |  | Number |
|  | of | $x$ course | class | X | of classes |
| Student | courses | (assigned) | (section) |  | (sections) |
| credit hours |  | credit | size |  | Number |
|  |  | value |  |  | of courses |

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 (see page 4).


[^0]:    ${ }^{1}$ Pennsylvania Department of Education, Colleges and Universities Education Digest, 1997-98.
    ${ }^{2}$ Unless otherwise noted, all data in this report apply to the indicated school year, which includes the summer term preceding the academic year, plus the fall and spring terms of the academic year. For example, the 1997-98 school year includes the summer and fall terms of 1997 plus the spring term of 1998.
    ${ }^{3}$ Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.
    ${ }^{4}$ Since 1993-94, Indiana University has reported separate data for the doctor's level (previously data for this level were combined with the master's level). In 1996-97, for the first time, Slippery Rock University reported data for the first-professional level; in 1997-98 the level of these data were changed to the doctor's level. Comparisons with previous years must take these changes into account.

[^1]:    ${ }^{5}$ Tables 3A through 3E employ the Classification of Instructional Programs (CIP) taxonomy. The CIP taxonomy was introduced by the U.S. Department of Education's National Center for Education Statistics in 1981, and revised in 1985 and 1990. This report utilizes an aggregation of two-digit CIP, each of which corresponds to one or more academic departments or program areas within individual universities. The CIP groupings are used to facilitate comparisons in this report, given the large array of departments and programs which exist in the Commonwealth's public universities.
    ${ }^{6}$ The public universities also award associate degrees; these degrees are not included in this report.
    ${ }^{7}$ Faculty who are employed full-time by the public universities, and who are engaged in teaching, research or both, comprise the set of faculty whose workweek activities are reported by the universities, and summarized in table 5 . Note that this is not the same set of faculty whose headcounts and instructional salaries are included in table 6.

[^2]:    ${ }^{8}$ Full-time instructional faculty, plus the full-time equivalency of part-time instructional faculty, comprise the set of faculty whose instructional salaries are reported by the universities and summarized in table 6. Note that this is not the same set of faculty whose workweek activities are included in table 5.
    ${ }^{9}$ This report does not include the noninstructional salaries of instructional faculty members. Therefore, average faculty salaries cannot be compared to those reported in other places.
    ${ }^{10}$ Caveat: Average instructional salaries are computed by dividing each university's total instructional salaries for each academic rank by the respective number of FTE instructional faculty. Therefore, changes in average instructional salaries do not necessarily correspond to general salary changes for all faculty members in a given university. Average instructional salary changes also reflect changes in the rank distribution of faculty.

[^3]:    ${ }^{11}$ The regression details are not included in this report; these details are available from the staff of the Joint State Government Commission. The model for the regression equation is given in the Appendix.

[^4]:    ${ }^{12}$ The Commonwealth instructional appropriation to the State System of Higher Education does not include amounts allocated to the Office of the Chancellor, McKeever Center, Faculty Professional Development, University Center and System Reserve.
    ${ }^{13}$ In this report, total educational and general appropriations and Tuition Challenge Grants are regarded as "instructional" and used for comparisons. Over the years, educational and general appropriations have been expanded to include expenditure categories which previously were separate line items in General Fund Budgets.
    ${ }^{14}$ Data provided by the Pennsylvania Higher Education Assistance Agency.

[^5]:    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.
