

## DOCUMENT RESUME

ED 183 047

HE 012 248

TITLE Academic Science. Graduate Enrollment and Support Fall 1978. Surveys of Science Resources Series.

INSTITUTION National Science Foundation, Washington, D.C.

REPORT NO. NSF-79-316

PUB DATE 79

NOTE 89p.: Detailed Statistical Tables may be marginally legible.

AVAILABLE FROM Universities and Nonprofit Institutions Studies Group, Division of Science Resources Studies, National Science Foundation, Washington, DC 20034

EDRS PRICE MF01/PC04 Plus Postage.

DESCRIPTORS Colleges: Comparative Statistics; Departments; Doctoral Programs; Educational Finance; \*Engineering; \*Enrollment Trends; Full Time Students; \*Graduate Study; Graduate Surveys; \*Higher Education; Institutional Characteristics; \*Medical Schools; Part Time Students; \*Sciences; Tables (Data); Universities

## ABSTRACT

Data on graduate science enrollment and support as of the Fall 1978 is reported. Surveys were sent to 418 schools--285 graduate schools and 133 medical colleges--which included 8,242 graduate departments. After a review of the survey background and the scope, response rates, and imputation effects, Section Two classifies each institution and reporting unit alphabetically by state. The major section presents the statistical tables, divided into two parts. Part A displays all comparable enrollment data from doctorate-granting institutions available for the period 1974 through 1978. Part B provides four special tables--two describe the number and characteristics of graduate departments included in the data tables, a third table ranks institutions in terms of the total graduate science and engineering enrollment in 1978, and the fourth table summarizes the institutional data by field and alphabetically by state. Statistics in Part A are further divided into full- and part-time enrollment, financial support, year in school, and public or private institution. (Author/PHR)

\*\*\*\*\*  
\* Reproductions supplied by EDRS are the best that can be made \*  
\* from the original document. \*  
\*\*\*\*\*

ED183047

# academic science

## graduate enrollment and support.

### fall 1978

PERMISSION TO REPRODUCE THIS  
MATERIAL HAS BEEN GRANTED BY

NSF  
TO THE EDUCATIONAL RESOURCES  
INFORMATION CENTER (ERIC)

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

THIS DOCUMENT HAS BEEN REPRO-  
DUCED EXACTLY AS RECEIVED FROM  
THE PERSON OR ORGANIZATION ORIGIN-  
ATING IT. POINTS OF VIEW OR OPINIONS  
STATED DO NOT NECESSARILY REPRE-  
SENT OFFICIAL NATIONAL INSTITUTE OF  
EDUCATION POSITION OR POLICY

surveys of science  
resources series  
national science  
foundation



detailed  
statistical tables

# contents

	Page
<b>General Notes .....</b>	11
<b>Section:</b>	
I. <b>Technical Notes .....</b>	1
II. <b>Classification of Institutions in the Survey .....</b>	4
III. <b>Statistical Tables .....</b>	8
IV. <b>Instructions, Survey Instruments, and Summaries .....</b>	80

# general notes

This new format Academic Science: Graduate Enrollment and Support was formerly Graduate Science Education: Student Support and Postdoctorals.

The National Science Foundation (NSF) conducted its seventh annual Survey of Graduate Science Student Support (GSSS) in fall 1978. Coverage was limited to doctorate-granting institutions and data were collected on an abbreviated survey form. From 1972 to 1975, survey forms were sent to all graduate science and engineering (S/E) departments at Ph.D.-granting institutions, including their medical schools. The survey was expanded in 1976 and 1977 to include all S/E departments in institutions that grant a master's as the highest degree. In the future a full-scale survey will be directed to all graduate S/E departments at both master's- and doctorate-granting institutions on a biennial basis, using a shortened version of the questionnaire directed to doctorate institutions only in intervening years.

Section III, Statistical Tables, is divided into two parts: The "A" tables display all comparable enrollment data from doctorate-granting institutions available for the period 1974 through 1978; part B offers four special tables: Tables B-1 and B-2 describe the number and characteristics of graduate departments included in the data tables; table B-3 ranks institutions in terms of their total graduate S/E enrollment in 1978; and table B-4 summarizes the institutional data by field and alphabetically by State.

The universe for the 1978 survey included 8,242 graduate departments in 316 doctorate institutions. In all, 418 schools were surveyed, 285 graduate schools and 133 medical schools.

The definition of an "institution" was expanded somewhat in 1978 to include all institutional components with graduate science enrollment such as branch campuses or schools of public health and medicine. Thus, if any component offers a Ph.D. in a S/E field or a first professional degree in a health area, the institution is considered to be doctorate-granting. This change in definition added 35 reporting units to the data base in 1978; however, in order to provide a comparable basis for trend analysis from 1974 to 1978, data were converted to the doctorate format for any previous year's submission.

Of the 418 schools surveyed in fall 1978, 8 failed to respond. Data were imputed for the 92 S/E departments in these schools based on their prior-year's response. Within the responding institutions, an additional 67 departments had to be totally imputed and another 111 required partial imputation. Imputation rates are shown in table I-4 on page 3.

The number of items on the survey instrument was reduced this year in a

continuing effort to lessen the Federal paperwork burden on universities and colleges; a copy may be found in section IV. Data were limited to sources of support of full-time graduate students and first-year totals for both full- and part-time enrollment.

The term "science" as used in the survey is understood to include engineering; the number of students receiving "institutional support" includes those supported by funds allocated to the institutions from State and local governments, as well as directly by the institutions themselves; and the category "other outside sources" includes support of students by private industry, nonprofit organizations, and all other U.S. or foreign sources.

Details shown in statistical tables may not add to totals because of rounding.

Requests for additional information concerning the survey findings should be addressed to Mrs. Susan G. Broyles, Universities and Nonprofit Institutions Studies Group, Division of Science Resources Studies, National Science Foundation, Washington, D.C. 20550, (202) 634-4673. Data tapes for 1978 and prior surveys may be purchased from:

Moshman Associates, Inc.  
6400 Goldsboro Road  
Washington, D.C. 20034  
(301) 229-3000

# technical notes

## survey background— establishing the universe

NSF has collected data annually on graduate science enrollment since 1967 when applications to its Graduate Traineeship Program required information on the types and sources of major support of graduate science students and postdoctorals. In 1972 a full-scale survey was introduced to include all institutions known to grant at least one doctoral degree in a S/E program. The survey was expanded again in 1973 as a result of the National Institutes of Health's (NIH) special interest in responses from the biomedical and clinical departments. A thorough search of all graduate school catalogs and institutional directories added 22 doctorate-granting institutions and approximately 1,000 departments to the 1973 universe. In order to examine all graduate science enrollment, the universe was again expanded during the 1976 survey year to include 2 institutions granting a master's in science or engineering as the highest degree. During the 1978 survey year the concept of the institution as a reporting unit was changed. For each year prior to 1978, each reporting unit was considered a separate institution. This year the definition of an institution was revised to conform with the three other university-oriented surveys con-

ducted by NSF.<sup>1</sup> Thus, for the 1978 survey year, the universe consisted of 418 reporting units which included all graduate S/E degree-granting campuses, medical schools, and schools of public health, etc., affiliated with the 316 institutions identified by NSF as granting a doctorate.

In response to the emphasis on reducing the Federal paperwork burden at the institution level, NSF began to conduct the full-scale Survey of Graduate Science Student Support and Postdoctorals (GSSSP) on a biennial basis beginning with the 1977 survey year. A short form requesting selected data items was sent to doctorate institutions only in the 1978 survey year and the results of this survey are shown in the detailed tables in section III.

Table I-1 shows the number of institutions, reporting units, and departments surveyed under the Graduate Traineeship Program from 1967 to 1971 and those covered by the GSSS from 1972 to 1978.

TABLE

	PAGE
I-1. The NSF data collection series: 1967-78 .....	2
I-2. Number of graduate departments and full-time graduate enrollment at doctorate-granting institutions by area of science: 1972-78 .....	2
I-3. Number of graduate departments and full-time graduate enrollment at master's-granting institutions by area of science: 1975-77 .....	3
I-4. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1978 .....	3

<sup>1</sup>These include: (1) The Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions; (2) The Survey of Scientific and Engineering Expenditures at Universities and Colleges; and (3) The Survey of Scientific and Engineering Personnel Employed at Universities and Colleges.

Tables I-2 and I-3 indicate the extent of the expansion at both doctorate- and master's-granting institutions and include department and enrollment coverage since the survey series began. The addition to the universe of nearly 5,000 departments and 76,000 full-time students over the period 1972-78 resulted from several factors: (1) The universe for the first survey year 1972 was derived from the data base already in existence—the NSF Graduate Traineeship Program—with the addition of 78 reporting units that were known to grant at least one Ph.D. in science or engineering; (2) it was expanded again in 1973 to include all clinical and medical science departments in medical schools; (3) a special study of this 1973 universe through a review of graduate school catalogs revealed the names of additional science departments that had not been surveyed; these were added to the universe on a computer-generated form 811 for review by Survey Coordinators in response to the 1974 survey; (4) the expansion in 1976 to include an additional 1,400 departments in all science master's-granting institutions to the universe of all graduate S/E departments; and finally, (5) the inclusion of certain master's-granting campuses of doctorate institutions with their main campus data.

## conduct of the 1978 survey

Fall 1978 was the first "short-form" survey conducted by NSF's Universities and Nonprofit Institutions Studies Group. The Survey of Graduate Science Student Support was limited to doctorate-granting institutions and their related branch campuses, medical schools and any other components enrolling graduate-level science students. The survey was mailed in early December 1978. A computer-produced survey form was generated for each reporting unit, listing all known graduate S/E departments. This form 812S was mailed to each Survey Coordinator in the graduate and medical

**Table I-1. The NSF data collection series: 1967-78**

Year of series	Number of institutions	Number of reporting units	Number of departments		
			Total	Master's	Doctorate
A. Graduate Traineeship Program					
1967 .....	209	—	3,016	436	2,580
1968 .....	219	—	3,190	454	2,736
1969 .....	224	—	3,354	460	2,894
1970 .....	227	—	3,544	473	3,071
1971 .....	224	249	3,397	407	2,980
B. Survey of Graduate Science Student Support and Postdoctorals					
Doctorate institutions					
1972 <sup>1</sup> .....	260	327	4,590	777	3,813
1973 .....	264	338	6,559	870	5,689
1974 .....	286	373	7,562	1,446	6,116
1975 .....	285	74	7,732	1,521	6,211
1976 .....	294	383	7,846	1,592	6,254
1977 .....	301	393	8,084	1,729	6,355
1978 .....	316	418	8,242	1,811	6,431
Master's institutions					
1975 <sup>2</sup> .....	307	307	1,367	1,357	—
1976 .....	308	308	1,365	1,365	—
1977 .....	308	308	1,422	1,422	—
1978 <sup>3</sup> .....	—	—	—	—	—

<sup>1</sup> Survey in 1972 included selected data items for 1971.

<sup>2</sup> The survey of master's institutions in 1976 included selected data items for 1975.

<sup>3</sup> Master's institutions were not surveyed in 1978.

SOURCE: National Science Foundation

**Table I-2. Number of graduate departments and full-time enrollment at doctorate-granting institutions by area of science: 1972-78**

Area of science	1972	1973	1974	1975	1976	1977	1978
	Number of departments						
Total, all areas .....	4,590	6,559	7,562	7,732	7,846	8,084	8,242
Engineering .....	867	919	1,008	1,015	1,015	1,021	1,020
Physical sciences .....	474	475	515	527	517	519	519
Environmental sciences .....	219	244	257	263	271	279	286
Mathematical sciences .....	324	340	374	387	396	400	413
Life sciences .....	1,706	3,502	4,077	4,185	4,238	4,405	4,508
Psychology .....	202	223	278	284	292	307	314
Social sciences .....	798	856	1,053	1,071	1,117	1,153	1,182
Full-time enrollment							
Total, all areas .....	159,520	161,982	195,915	211,553	214,866	218,425	217,588
Engineering .....	32,154	31,278	33,691	37,112	36,414	36,797	37,129
Physical sciences .....	22,253	21,114	21,422	21,443	21,787	21,913	21,651
Environmental sciences .....	7,247	7,531	8,227	8,698	9,321	9,615	9,724
Mathematical sciences .....	13,273	12,925	13,423	13,862	14,310	13,797	13,706
Life sciences .....	36,751	41,148	54,800	59,492	61,739	64,188	65,097
Psychology .....	16,308	15,176	18,728	19,704	21,546	21,296	20,677
Social sciences .....	32,534	32,810	45,624	51,242	49,748	50,819	49,604

SOURCE: National Science Foundation

**Table I-3. Number of graduate departments and full-time enrollment at master's-granting Institutions by area of science: 1975-77<sup>1</sup>**

Area of science	1975		1976		1977	
	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment	Number of departments	Full-time enrollment
Total, all areas .....	1,357	16,044	1,365	16,356	1,422	18,200
Engineering .....	148	796	146	814	157	896
Physical sciences .....	179	611	175	594	175	695
Environmental sciences	44	447	46	276	46	324
Mathematical sciences	158	1,003	158	1,063	166	881
Life sciences .....	307	3,948	313	4,427	331	4,441 <sup>2</sup>
Psychology .....	152	4,325	153	4,031	158	4,387
Social sciences	369	4,914	374	5,151	389	6,576

<sup>1</sup> Master's institutions were not surveyed in 1978.

SOURCE: National Science Foundation

schools in the universe along with a full set of instructions and copies of an optional departmental worksheet for use in completing the survey.

The Coordinators were requested to update the form 812S with any newly formed departments or to add those departments inadvertently omitted the previous year; to delete any departments no longer in existence; and to make note of any departmental name changes, merges, or splits. This updated form 812S thus became the basis for the 1978 universe. The departmental worksheet was distributed by the Coordinators to each department

chairman for completion of data at the department level.

Upon completion, all forms were returned to a contractor for screening, computer processing, editing, and tabulation. The 1978 data were compared to the 1977 responses; errors in addition were flagged for correction; unusual growth patterns or omissions of self-supported students were marked "possible error," and form 812S facsimiles were returned to Coordinators for error resolution. Tabulations of the final results, including any changes resulting from the second departmental review, are in section III, the Statistical Tables.

## response rates

Mailout of the fall 1978 survey was completed on December 15, 1978. All responses were requested by January 31, 1979; however, the survey was not closed out until June 29, 1979. At this time, a 97-percent institutional response rate was achieved among doctorate-granting institutions—only eight reporting units failed to respond.

Missing data were imputed based on the previous year's response for the 92 departments at the eight nonrespondent schools. In addition, another 67 departments required full imputation and 111 received partial imputation. Only six departments not responding to the 1978 survey were also nonrespondent in 1977 and thus were not included in the tabulations.

## imputation and its effects

Of the 165 departments not responding to the 1978 survey, only 6, or .07 percent of the total, were also nonrespondents in 1977 and, thus, were not included in the tabulated data. For the remaining 159 departments, 1978 data were imputed based on their 1977 responses. When 90 percent of the respondent departments had been edited, early tabulations were produced to indicate rates of change in each field of science for selected characteristics of full- and part-time enrollment. These rates were then applied to each nonrespondent department's actual 1977 response in order to impute a 1978 response. For those 111 departments requiring partial imputation, data were computed using distribution characteristics shown in their 1977 response.

Table I-4 shows the relatively insignificant impact of imputation on the survey results.

**Table I-4. Imputation for nonresponse at doctorate-granting institutions by area of science and enrollment status: 1978**

Area of science	Number of graduate departments		Total in survey		Number imputed		Imputation rate	
	In universe	Imputed	Full time	Part time	Full time	Part time	Full time	Part time
Total, all areas .....	8,242	270	217,588	94,394	4,153	2,166	.019	.023
Engineering .....	1,020	31	37,129	29,074	787	426	.021	.015
Physical sciences .....	519	20	21,651	3,386	146	28	.007	.008
Environmental sciences	286	10	9,724	2,145	130	64	.013	.030
Mathematical sciences	413	21	13,706	7,927	234	290	.017	.037
Life sciences .....	4,508	103	65,097	20,174	1,101	253	.017	.013
Psychology .....	314	14	20,677	7,243	402	154	.019	.021
Social sciences .....	1,182	71	49,604	24,445	1,353	951	.027	.039

SOURCE: National Science Foundation

## section II

# classification of institutions

## doctorate-granting institutions in the 1978 survey

Institutions and their reporting units participating in the survey are presented alphabetically within each State for all doctorate-granting institutions accompanied by the classification code developed by the Carnegie Commission on Higher Education. This system as developed originally in 1971 included each campus of those institutions listed in the U.S. Office of Education's

"Advance Report on Opening Fall Enrollment in Higher Education: Institutional Data, 1970." A revised listing was published in 1978 entitled "A Classification of Institutions of Higher Education: A report of the Carnegie Council on Policy Studies in Higher Education (Revised Edition)," and this listing reflects the updated version.

### ALABAMA

- 1.2 AUBURN UNIVERSITY
  - GRADUATE SCHOOL (MAIN CAMPUS)
  - GRADUATE SCHOOL AT MONTGOMERY
- 1.3 THE UNIVERSITY OF ALABAMA
- 2.1 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 2.1 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE
- 2.1 UNIVERSITY OF SOUTH ALABAMA
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL

### ALASKA

- 1.4 UNIVERSITY OF ALASKA AT FAIRBANKS

### ARIZONA

- 1.3 ARIZONA STATE UNIVERSITY
- 2.1 NORTHERN ARIZONA UNIVERSITY
- 1.1 UNIVERSITY OF ARIZONA
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL

### ARKANSAS

- 1.2 UNIVERSITY OF ARKANSAS
- 5.2 UNIVERSITY OF ARKANSAS - MEDICAL SCIENCES CAMPUS

### CALIFORNIA

- 2.1 BIOLA COLLEGE
- 1.1 CALIFORNIA INSTITUTE OF TECHNOLOGY
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - BERKELEY
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - FRESNO
- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - LOS ANGELES

- 5.9 CALIFORNIA SCHOOL OF PROFESSIONAL PSYCHOLOGY - SAN DIEGO
- 1.2 CLAREMONT UNIVERSITY CENTER AND GRADUATE SCHOOL
- 5.2 DREW POST-GRADUATE MEDICAL SCHOOL
- 5.1 FULLER THEOLOGICAL SEMINARY
- 1.4 LOMA LINDA UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 5.9 RAND GRADUATE INSTITUTE OF POLICY STUDIES
- 2.1 SAN DIEGO STATE UNIVERSITY
- 1.1 STANFORD UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 5.9 THE WRIGHT INSTITUTE
- 1.4 UNITED STATES INTERNATIONAL UNIVERSITY
- 5.9 UNITED STATES NAVAL POSTGRADUATE SCHOOL
- 1.1 UNIVERSITY OF CALIFORNIA AT BERKELEY
- 1.1 UNIVERSITY OF CALIFORNIA AT DAVIS
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.2 UNIVERSITY OF CALIFORNIA AT IRVINE
  - CALIFORNIA COLLEGE OF MEDICINE
  - GRADUATE SCHOOL
- 1.1 UNIVERSITY OF CALIFORNIA AT LOS ANGELES
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF CALIFORNIA AT RIVERSIDE
- 1.1 UNIVERSITY OF CALIFORNIA AT SAN DIEGO
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 5.2 UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF CALIFORNIA AT SANTA BARBARA
- 1.3 UNIVERSITY OF CALIFORNIA AT SANTA CRUZ
- 2.2 UNIVERSITY OF SANTA CLARA
- 1.1 UNIVERSITY OF SOUTHERN CALIFORNIA
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.4 UNIVERSITY OF THE PACIFIC

**COLORADO**

- 5.4 COLORADO SCHOOL OF MEDICINE
- 1.1 COLORADO STATE UNIVERSITY
- 1.1 UNIVERSITY OF COLORADO
  - GRADUATE SCHOOL AT BOULDER
  - GRADUATE SCHOOL AT COLORADO SPRINGS
  - GRADUATE SCHOOL AT DENVER
  - GRADUATE SCHOOL OF PUBLIC AFFAIRS
  - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF DENVER
- 1.3 UNIVERSITY OF NORTHERN COLORADO

**CONNECTICUT**

- 1.2 UNIVERSITY OF CONNECTICUT
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 3.1 WESLEYAN UNIVERSITY
- 1.1 YALE UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE

**DELAWARE**

- 1.3 UNIVERSITY OF DELAWARE
- DISTRICT OF COLUMBIA

- 1.3 AMERICAN UNIVERSITY
- 1.2 CATHOLIC UNIVERSITY OF AMERICA
- 1.2 GEORGE WASHINGTON UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE AND HEALTH SCIENCES
- 1.2 GEORGETOWN UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.2 HOWARD UNIVERSITY
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL

**FLORIDA**

- 5.4 FLORIDA INSTITUTE OF TECHNOLOGY
- 1.2 FLORIDA STATE UNIVERSITY
- 2.1 NOVA UNIVERSITY
- 1.1 UNIVERSITY OF FLORIDA
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL
- 1.1 UNIVERSITY OF MIAMI
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.4 UNIVERSITY OF SOUTH FLORIDA
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL

**GEORGIA**

- 5.9 ATLANTA UNIVERSITY
- 3.2 EMORY UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.2 GEORGIA INSTITUTE OF TECHNOLOGY
- 1.3 GEORGIA STATE UNIVERSITY
- 5.2 MEDICAL COLLEGE OF GEORGIA
- 2.2 HERCER UNIVERSITY / SOUTHERN SCHOOL OF PHARMACY
- 1.1 UNIVERSITY OF GEORGIA

**HAWAII**

- 1.1 UNIVERSITY OF HAWAII AT MANOA
  - GRADUATE SCHOOL
  - JOHN A. BURNS SCHOOL OF MEDICINE

**IDAHO**

- 1.4 IDAHO STATE UNIVERSITY
- 1.3 UNIVERSITY OF IDAHO

**ILLINOIS**

- 5.2 CHICAGO COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
- 2.1 DE PAUL UNIVERSITY
- 1.3 ILLINOIS INSTITUTE OF TECHNOLOGY
- 1.4 ILLINOIS STATE UNIVERSITY
- 1.3 LOYOLA UNIVERSITY OF CHICAGO
  - GRADUATE SCHOOL
  - STRITCH SCHOOL OF MEDICINE
- 1.3 NORTHERN ILLINOIS UNIVERSITY
- 1.1 NORTHWESTERN UNIVERSITY
  - GRADUATE SCHOOL
  - MEDICAL SCHOOL
- 5.2 RUSH UNIVERSITY
- 1.3 SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE
- 2.1 SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE
- 1.1 UNIVERSITY OF CHICAGO
  - GRADUATE SCHOOL
  - PRITZKER SCHOOL OF MEDICINE
- 5.2 UNIVERSITY OF HEALTH SCIENCES - CHICAGO MEDICAL SCHOOL
- 5.2 UNIVERSITY OF ILLINOIS MEDICAL CENTER - CHICAGO
- 1.3 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE
- 1.1 UNIVERSITY OF ILLINOIS - URBANA

**INDIANA**

- 1.3 BALL STATE UNIVERSITY
- 2.1 INDIANA STATE UNIVERSITY
- 1.2 INDIANA UNIVERSITY - BLOOMINGTON
- 2.1 INDIANA-PURDUE UNIVERSITY AT INDIANAPOLIS
- 1.1 PURDUE UNIVERSITY
  - CALUMET CAMPUS
  - GRADUATE SCHOOL (MAIN CAMPUS)
- 1.3 UNIVERSITY OF NOTRE DAME

**IOWA**

- 5.2 COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY
- 1.2 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY
- 1.1 UNIVERSITY OF IOWA
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL

**KANSAS**

- 2 KANSAS STATE UNIVERSITY AGRICULTURE AND APPLIED SCIENCE
- UNIVERSITY OF KANSAS
- GRADUATE SCHOOL
- SCHOOL OF MEDICINE
- 2.1 WICHITA STATE UNIVERSITY

**KENTUCKY**

- 1.2 UNIVERSITY OF KENTUCKY
  - COLLEGE OF MEDICINE
  - GRADUATE SCHOOL
- 1.3 UNIVERSITY OF LOUISVILLE
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE

**LOUISIANA**

- 1.2 LOUISIANA STATE UNIVERSITY SYSTEM
  - GRADUATE SCHOOL IN BATON ROUGE
  - MEDICAL CENTER AT NEW ORLEANS
  - SCHOOL OF MEDICINE IN SHREVEPORT
- 2.1 LOUISIANA TECH UNIVERSITY
- 2.1 NORTHEAST LOUISIANA UNIVERSITY
- 1.2 TULANE UNIVERSITY OF LOUISIANA
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 2.1 UNIVERSITY OF NEW ORLEANS
- 2.1 UNIVERSITY OF SOUTHWESTERN LOUISIANA

**MAINE**

- 1.3 UNIVERSITY OF MAINE AT ORONO

**MARYLAND**

- 1.1 JOHNS HOPKINS UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF HYGIENE AND PUBLIC HEALTH
  - SCHOOL OF MEDICINE
- 5.9 UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES
- 2.1 UNIVERSITY OF MARYLAND - BALTIMORE COUNTY
- 5.2 UNIVERSITY OF MARYLAND - BALTIMORE PROFESSIONAL SCHOOLS
- 1.1 UNIVERSITY OF MARYLAND - COLLEGE PARK

**MASSACHUSETTS**

- 1.3 BOSTON COLLEGE
- 1.1 BOSTON UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.2 BRANDEIS UNIVERSITY
- 1.1 CLARK UNIVERSITY
- 1.1 HARVARD UNIVERSITY
  - GRADUATE SCHOOL
  - HARVARD MEDICAL SCHOOL
  - SCHOOL OF PUBLIC HEALTH
- 5.3 MASSACHUSETTS COLLEGE OF PHARMACY
- 1.1 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
- 1.3 NORTHEASTERN UNIVERSITY
- 3.1 SHIPTON COLLEGE
- 1.2 TUFTS UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 2.1 UNIVERSITY OF LOWELL
- 1.2 UNIVERSITY OF MASSACHUSETTS AT AMHERST
- 5.2 UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
- 5.9 WOODS HOLE OCEANOGRAPHIC INSTITUTE
- 5.4 WORCESTER POLYTECHNIC INSTITUTE

**MICHIGAN**

- 2.1 CENTRAL MICHIGAN UNIVERSITY
- 1.1 MICHIGAN STATE UNIVERSITY
  - GRADUATE SCHOOL AND COLLEGE OF HUMAN MEDICINE
  - MICHIGAN COLLEGE OF OSTEOPATHIC MEDICINE
- 2.1 MICHIGAN TECHNOLOGICAL UNIVERSITY
- 2.1 OAKLAND UNIVERSITY
- 1.4 UNIVERSITY OF DETROIT
- 1.1 UNIVERSITY OF MICHIGAN
  - GRADUATE SCHOOL AT ANN ARBOR
  - GRADUATE SCHOOL AT DEARBORN
  - MEDICAL SCHOOL AT ANN ARBOR
- 1.2 WAYNE STATE UNIVERSITY
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.4 WESTERN MICHIGAN UNIVERSITY

**MINNESOTA**

- 1.1 UNIVERSITY OF MINNESOTA
- DULUTH SCHOOL OF MEDICINE
- GRADUATE SCHOOL AT DULUTH
- GRADUATE SCHOOL AT MINNEAPOLIS
- HAYD GRADUATE SCHOOL OF MEDICINE
- MINNEAPOLIS MEDICAL SCHOOL

**MISSISSIPPI**

- 1.2 MISSISSIPPI STATE UNIVERSITY
- 1.3 UNIVERSITY OF MISSISSIPPI
  - GRADUATE SCHOOL
  - SCHOOL OF MEDICINE
- 1.3 UNIVERSITY OF SOUTHERN MISSISSIPPI

**MISSOURI**

- 5.2 KANSAS CITY COLLEGE OF OSTEOPATHIC MEDICINE  
5.2 KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE  
1.2 ST. LOUIS UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.1 UNIVERSITY OF MISSOURI - COLUMBIA  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.3 UNIVERSITY OF MISSOURI - KANSAS CITY  
1.4 UNIVERSITY OF MISSOURI - ROLLA  
2.1 UNIVERSITY OF MISSOURI - ST. LOUIS  
1.1 WASHINGTON UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

**MONTANA**

- 1.3 MONTANA STATE UNIVERSITY  
1.3 UNIVERSITY OF MONTANA

**NEBRASKA**

- 2.1 CREIGHTON UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.2 UNIVERSITY OF NEBRASKA - LINCOLN  
2.1 UNIVERSITY OF NEBRASKA - OMAHA  
5.2 UNIVERSITY OF NEBRASKA MEDICAL CENTER

**NEVADA**

- 5.9 DESERT RESEARCH INSTITUTE  
1.4 UNIVERSITY OF NEVADA AT RENO  
GRADUATE SCHOOL  
SCHOOL OF MEDICAL SCIENCES

**NEW HAMPSHIRE**

- 1.3 DARTMOUTH COLLEGE  
GRADUATE SCHOOL  
MEDICAL SCHOOL  
1.3 UNIVERSITY OF NEW HAMPSHIRE

**NEW JERSEY**

- 5.1 COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY  
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES  
RUTGERS MEDICAL SCHOOL  
2.1 FAIRLEIGH DICKINSON UNIVERSITY  
HADISON CAMPUS  
RUTHERFORD CAMPUS  
TEANECK CAMPUS  
5.4 NEW JERSEY INSTITUTE OF TECHNOLOGY  
5.2 NEW JERSEY SCHOOL OF OSTEOPATHIC MEDICINE  
1.1 PRINCETON UNIVERSITY  
1.2 RUTGERS THE STATE UNIVERSITY  
GRADUATE SCHOOL AT NEW BRUNSWICK  
GRADUATE SCHOOL AT NEWARK  
2.1 SETON HALL UNIVERSITY  
5.4 STEVENS INSTITUTE OF TECHNOLOGY  
NEW MEXICO

- 5.4 NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY  
1.3 NEW MEXICO STATE UNIVERSITY  
1.2 UNIVERSITY OF NEW MEXICO  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

**NEW YORK**

- 1.4 ADELPHI UNIVERSITY  
5.2 ALBANY MEDICAL COLLEGE  
2.2 ALFRED UNIVERSITY  
5.4 CLARKSON COLLEGE OF TECHNOLOGY  
1.1 COLUMBIA UNIVERSITY MAIN DIVISION  
COLLEGE OF PHYSICIANS AND SURGEONS  
GRADUATE SCHOOL  
5.8 COLUMBIA UNIVERSITY TEACHERS COLLEGE  
1.1 CORNELL UNIVERSITY  
GRADUATE SCHOOL  
GRADUATE SCHOOL OF MEDICAL SCIENCES  
MEDICAL COLLEGE  
1.2 CITY UNIVERSITY OF NEW YORK GRADUATE SCHOOL AND UNIVERSITY CENTER  
5.2 CITY UNIVERSITY OF NEW YORK MOUNT SINAI SCHOOL OF MEDICINE  
1.3 FORDHAM UNIVERSITY  
1.4 HOFSTRA UNIVERSITY  
2.1 LONG ISLAND UNIVERSITY  
A & M SCHWARTZ COLLEGE OF PHARMACY AND HEALTH SCIENCES  
BROOKLYN CENTER  
C. W. POST CENTER

- 1.4 NEW SCHOOL FOR SOCIAL RESEARCH  
5.2 NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE  
5.2 NEW YORK MEDICAL COLLEGE  
1.1 NEW YORK UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.3 POLYTECHNIC INSTITUTE OF NEW YORK  
1.3 RENSSLAER POLYTECHNIC INSTITUTE  
5.9 ROCKEFELLER UNIVERSITY  
2.1 ST. BONAVENTURE UNIVERSITY  
1.3 ST. JOHN'S UNIVERSITY  
1.3 STATE UNIVERSITY OF NEW YORK - ALBANY  
1.3 STATE UNIVERSITY OF NEW YORK - BINGHAMTON  
1.2 STATE UNIVERSITY OF NEW YORK - BUFFALO  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
5.9 STATE UNIVERSITY OF NEW YORK - COLLEGE OF ENVIRONMENTAL SCIENCE  
AND FORESTRY

- 5.2 STATE UNIVERSITY OF NEW YORK - DOWNSTATE MEDICAL CENTER  
1.2 STATE UNIVERSITY OF NEW YORK - STONY BROOK  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
5.2 STATE UNIVERSITY OF NEW YORK - UPSTATE MEDICAL CENTER  
5.3 STATE UNIVERSITY OF NEW YORK STATE COLLEGE OF OPTOMETRY  
1.2 SYRACUSE UNIVERSITY  
2.2 UNION COLLEGE  
1.1 UNIVERSITY OF ROCHESTER  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE AND DENTISTRY  
1.1 YESHIVA UNIVERSITY  
ALBERT EINSTEIN COLLEGE OF MEDICINE  
GRADUATE SCHOOL

**NORTH CAROLINA**

- 1.1 DUKE UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
2.1 EAST CAROLINA UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.1 NORTH CAROLINA STATE UNIVERSITY AT RALEIGH  
1.1 UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.4 UNIVERSITY OF NORTH CAROLINA AT GREENSBORO  
2.1 WAKE FOREST UNIVERSITY  
BOWMAN GRAY SCHOOL OF MEDICINE  
GRADUATE SCHOOL

**NORTH DAKOTA**

- 1.3 NORTH DAKOTA STATE UNIVERSITY  
1.3 UNIVERSITY OF NORTH DAKOTA  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

**OHIO**

- 5.9 AIR FORCE INSTITUTE OF TECHNOLOGY  
1.4 BOWLING GREEN STATE UNIVERSITY  
1.1 CASE WESTERN RESERVE UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
2.1 CLEVELAND STATE UNIVERSITY  
1.3 KENT STATE UNIVERSITY  
5.2 MEDICAL COLLEGE OF OHIO AT TOLEDO  
1.4 MIAMI UNIVERSITY  
1.1 OHIO STATE UNIVERSITY  
COLLEGE OF MEDICINE  
GRADUATE SCHOOL  
1.3 OHIO UNIVERSITY  
COLLEGE OF OSTEOPATHIC MEDICINE  
GRADUATE COLLEGE  
8.0 UNION OF EXPERIMENTING COLLEGES AND UNIVERSITIES  
1.4 UNIVERSITY OF AKRON  
1.2 UNIVERSITY OF CINCINNATI  
COLLEGE OF MEDICINE  
GRADUATE SCHOOL  
2.1 UNIVERSITY OF DAYTON  
1.3 UNIVERSITY OF TOLEDO  
2.1 WRIGHT STATE UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

**OKLAHOMA**

- 5.2 OKLAHOMA COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY  
1.2 OKLAHOMA STATE UNIVERSITY  
1.2 UNIVERSITY OF OKLAHOMA - NORMAN

5.2 UNIVERSITY OF OKLAHOMA HEALTH SCIENCE CENTER  
1.4 UNIVERSITY OF TULSA

OREGON

5.9 OREGON GRADUATE CENTER  
1.1 OREGON STATE UNIVERSITY  
2.1 PORTLAND STATE UNIVERSITY  
1.2 UNIVERSITY OF OREGON  
5.2 UNIVERSITY OF OREGON HEALTH SCIENCE CENTER

PENNSYLVANIA

3.1 BRYN MAWR COLLEGE  
1.2 CARNEGIE-MELLON UNIVERSITY  
2.1 DREXEL UNIVERSITY  
2.1 DUQUESNE UNIVERSITY  
5.2 HAHNEMANN MEDICAL COLLEGE AND HOSPITAL  
1.3 LEHIGH UNIVERSITY  
1.1 PENNSYLVANIA STATE UNIVERSITY  
COLLEGE OF MEDICINE  
GRADUATE SCHOOL  
5.2 PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE  
5.3 PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE  
1.2 TEMPLE UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
5.2 THE MEDICAL COLLEGE OF PENNSYLVANIA  
5.2 THOMAS JEFFERSON UNIVERSITY  
1.1 UNIVERSITY OF PENNSYLVANIA  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.1 UNIVERSITY OF PITTSBURGH  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
2.1 VILLANDYNA UNIVERSITY

RHODE ISLAND

1.2 BROWN UNIVERSITY  
2.1 PROVIDENCE COLLEGE  
1.3 UNIVERSITY OF RHODE ISLAND

SOUTH CAROLINA

1.3 CLEMSON UNIVERSITY  
5.2 MEDICAL UNIVERSITY OF SOUTH CAROLINA  
1.3 UNIVERSITY OF SOUTH CAROLINA  
GRADUATE SCHOOL  
MEDICAL SCHOOL

SOUTH DAKOTA

5.4 SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY  
1.4 SOUTH DAKOTA STATE UNIVERSITY  
1.4 UNIVERSITY OF SOUTH DAKOTA  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

TENNESSEE

2.1 EAST TENNESSEE STATE UNIVERSITY  
COLLEGE OF MEDICINE  
GRADUATE SCHOOL  
1.3 GEORGE PEABODY COLLEGE FOR TEACHERS  
5.2 MEHARRY MEDICAL COLLEGE  
1.4 MEMPHIS STATE UNIVERSITY  
2.1 TENNESSEE TECHNOLOGICAL UNIVERSITY  
1.2 UNIVERSITY OF TENNESSEE AT KNOXVILLE  
5.2 UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES  
1.2 VANDERBILT UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

TEXAS

5.3 BAYLOR COLLEGE OF DENTISTRY  
5.2 BAYLOR COLLEGE OF MEDICINE  
1.4 BAYLOR UNIVERSITY  
1.4 EAST TEXAS STATE UNIVERSITY  
2.1 LAHAR UNIVERSITY  
1.4 NORTH TEXAS STATE UNIVERSITY  
1.3 RICE UNIVERSITY  
2.1 SAM HOUSTON STATE UNIVERSITY  
1.3 SOUTHERN METHODIST UNIVERSITY  
2.1 STEPHEN F. AUSTIN STATE UNIVERSITY  
1.1 TEXAS A & M UNIVERSITY  
1.4 TEXAS CHRISTIAN UNIVERSITY

5.2 TEXAS COLLEGE OF OSTEOPATHIC MEDICINE  
1.3 TEXAS TECH UNIVERSITY

GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.4 TEXAS WOMAN'S UNIVERSITY  
2.2 UNIVERSITY OF DALLAS  
1.3 UNIVERSITY OF HOUSTON  
2.1 UNIVERSITY OF TEXAS AT ARLINGTON  
1.1 UNIVERSITY OF TEXAS AT AUSTIN  
5.9 UNIVERSITY OF TEXAS AT DALLAS  
2.1 UNIVERSITY OF TEXAS AT EL PASO  
5.2 UNIVERSITY OF TEXAS CANCER CENTER  
5.2 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS  
5.3 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON  
5.2 UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER SAN ANTONIO  
5.2 UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

UTAH

1.3 BRIGHAM YOUNG UNIVERSITY  
1.1 UNIVERSITY OF UTAH  
COLLEGE OF MEDICINE  
GRADUATE SCHOOL  
1.2 UTAH STATE UNIVERSITY

VERMONT

1.2 UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE  
COLLEGE OF MEDICINE  
GRADUATE SCHOOL

VIRGINIA

1.4 COLLEGE OF WILLIAM AND MARY  
5.2 EASTERN VIRGINIA MEDICAL SCHOOL  
5.4 INSTITUTE OF TEXTILE TECHNOLOGY  
2.1 OLD DOMINION UNIVERSITY  
1.2 UNIVERSITY OF VIRGINIA  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
1.3 VIRGINIA COMMONWEALTH UNIVERSITY  
GRADUATE SCHOOL  
MEDICAL COLLEGE OF VIRGINIA  
1.2 VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

WASHINGTON

1.1 UNIVERSITY OF WASHINGTON  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
SCHOOL OF PUBLIC HEALTH AND COMMUNITY MEDICINE  
1.2 WASHINGTON STATE UNIVERSITY

WEST VIRGINIA

2.1 MARSHALL UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
5.2 WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE  
1.2 WEST VIRGINIA UNIVERSITY  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE

WISCONSIN

5.4 INSTITUTE OF PAPER CHEMISTRY  
1.3 MARQUETTE UNIVERSITY  
5.2 MEDICAL COLLEGE OF WISCONSIN  
1.1 UNIVERSITY OF WISCONSIN - MILWAUKEE  
GRADUATE SCHOOL  
MEDICAL SCHOOL  
1.3 UNIVERSITY OF WISCONSIN - MILWAUKEE

WYOMING

1.3 UNIVERSITY OF WYOMING

PUERTO RICO

2.1 CATHOLIC UNIVERSITY OF PUERTO RICO  
GRADUATE SCHOOL  
SCHOOL OF MEDICINE  
2.1 UNIVERSITY OF PUERTO RICO - MAYAGUEZ  
2.1 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS  
5.2 UNIVERSITY OF PUERTO RICO MEDICAL SCIENCE CAMPUS

## section III

# statistical tables

### Doctorate-Granting Institutions

#### GRADUATE STUDENTS: 1974-78

A-1.	By field: 1974-78 .....	9
A-2.	In public institutions by field: 1974-78 ..	10
A-3.	In private institutions by field: 1974-78 ..	11
A-4.	First year by field: 1974-78 .....	12
A-5.	Beyond first year by field: 1974-78 .....	13
A-6.	By geographic distribution: 1974-78 .....	14

#### FULL TIME: 1974-78

A-7.	By field: 1974-78 .....	15
A-8.	In public institutions by field: 1974-78 ..	16
A-9.	In private institutions by field: 1974-78 ..	17
A-10.	First year by field: 1974-78 .....	18
A-11.	Beyond first year by field: 1974-78 .....	19
A-12.	Supported by Federal sources by field: 1974-78 .....	20
A-13.	Supported by institutional sources by field: 1974-78 .....	21
A-14.	Supported by other outside sources by field: 1974-78 .....	22
A-15.	Self-supported by field: 1974-78 .....	23
A-16.	By geographic distribution: 1974-78 .....	24
A-17.	Supported by Federal sources by geo- graphic distribution: 1974-78 .....	25
A-18.	Supported by non-Federal sources by	

geographic distribution: 1974-78 .....

A-19. By area of science and source of major  
support: 1974-78 .....

A-20. In public institutions by area of  
science and source of major  
support: 1974-78 .....

A-21. In private institutions by area of  
science and source of major  
support: 1974-78 .....

A-22. By geographic distribution: 1974-78 .....

#### PART TIME: 1974-78

A-22.	By field: 1974-78 .....	33
A-23.	In public institutions by field: 1974-78 ..	34
A-24.	In private institutions by field: 1974-78 ..	35
A-25.	First year by field: 1974-78 .....	36
A-26.	Beyond first year by field: 1974-78 .....	37
A-27.	By geographic distribution: 1974-78 .....	38

### Special Tables

B-1.	Départmental population at doctorate- granting institutions: 1974-78 .....	39
B-2.	Departmental population by level of department at doctorate-granting institutions: 1974-78 .....	40
B-3.	Institutional ranking: 1978 .....	41
B-4.	Institutional summary data: 1978 .....	46

TABLE X-1. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	267,316	296,351	300,357	309,964	311,982	+10.9	+1.4	+3.1	+0.7	
ENGINEERING .....	57,119	65,097	64,623	66,731	66,203	+14.0	+1.4	+14.1	+3.3	+7.8
AERONAUTICAL .....	1,677	1,654	1,621	1,472	1,437	-1.4	-14.1	+3.6	+2.4	
AGRICULTURAL .....	585	676	776	808	897	+15.6	+14.0	+4.3	+6.1	
BIO MEDICAL .....	781	877	890	839	890	+12.3	+1.5	+5.7	+6.1	
CHEMICAL .....	4,710	5,035	5,153	5,279	5,380	+6.9	+2.3	+2.4	+1.9	
CIVIL .....	9,971	11,196	10,438	10,681	10,690	+12.3	+6.8	+2.3	+1.1	
ELECTRICAL .....	15,387	15,662	15,255	16,394	16,359	+1.8	+2.6	+7.5	+2.2	
ENGINEERING SCIENCE .....	2,311	2,408	2,423	2,200	2,102	+4.2	+6.4	+9.2	+4.5	
INDUSTRIAL .....	6,950	11,830	11,926	12,035	11,354	+70.2	+1.8	+9.9	+5.7	
MECHANICAL .....	7,531	7,569	7,427	7,770	7,801	+1.9	+3.9	+4.6	+3.4	
METALLURGICAL/MATERIALS .....	2,295	2,437	2,445	2,540	2,536	+6.2	+3.9	+3.9	+2.2	
MINING .....	330	416	520	571	539	+26.1	+25.0	+9.8	+5.6	
NUCLEAR .....	1,491	1,637	1,611	1,496	1,447	+9.8	+1.6	+7.1	+3.3	
PETROLEUM .....	305	332	404	419	476	+8.9	+21.7	+3.7	+13.6	
ENGINEERING, N.E.C. ....	2,815	3,368	3,935	4,227	4,335	+19.6	+16.8	+7.4	+2.6	
PHYSICAL SCIENCES .....	24,748	24,784	25,254	25,260	25,037	+1.1	+1.9	+0	+0.9	
ASTRONOMY .....	623	621	585	543	529	+1.3	+5.8	+7.2	+2.6	
CHEMISTRY .....	13,759	14,084	14,478	14,665	14,759	+2.4	+2.8	+1.3	+0.6	
PHYSICS .....	10,170	9,891	9,906	9,759	9,452	+2.7	+1.2	+1.5	+3.1	
PHYSICAL SCIENCES, N.E.C. ....	198	188	285	293	297	+4.1	+51.6	+2.8	+1.4	
ENVIRONMENTAL SCIENCES .....	9,980	10,704	11,366	11,863	11,869	+7.3	+6.2	+7.6	+1.1	
ATMOSPHERIC SCIENCES .....	1,015	997	996	986	945	+1.8	+1.1	+1.0	+4.2	
GEOSCIENCES .....	6,281	6,739	7,182	7,387	7,518	+7.3	+6.6	+2.9	+1.8	
OCEANOGRAPHY .....	1,916	1,979	1,998	2,174	2,086	+3.3	+1.0	+8.8	+4.0	
ENVIRONMENTAL SCIENCES, N.E.C. ....	768	989	1,190	1,316	1,320	+28.8	+20.3	+10.6	+3	
MATHEMATICAL SCIENCES .....	20,324	21,145	21,634	21,014	21,633	+4.0	+2.3	+2.9	+2.9	
COMPUTER SCIENCE .....	6,343	7,075	7,583	7,671	8,077	+11.5	+7.2	+1.2	+13.4	
MATHEMATICS AND APPLIED MATHEMATICS .....	12,358	12,234	12,181	11,500	11,165	+1.0	+1.4	+5.6	+2.9	
STATISTICS .....	1,623	1,836	1,870	1,843	1,771	+13.1	+1.9	+1.4	+3.9	
LIFE SCIENCES .....	66,650	73,402	76,060	83,120	85,271	+10.1	+4.7	+8.1	+2.6	
AGRICULTURAL SCIENCES .....	9,954	11,149	11,821	12,194	12,168	+12.0	+6.0	+3.2	+0.2	
BIOLOGICAL SCIENCES .....	88,062	41,074	41,701	43,079	42,821	+7.9	+1.5	+3.3	+0.6	
ANATOMY .....	1,060	1,088	1,120	1,167	1,143	+2.6	+2.9	+4.2	+2.1	
BIOCHEMISTRY .....	3,712	3,674	3,672	3,766	3,891	+1.0	+1.1	+2.6	+3.3	
BIOLOGY .....	9,883	11,723	11,836	11,851	11,121	+18.6	+1.0	+0.1	+6.2	
BIOLOGY/EPIDEMIOLOGY .....	683	691	616	815	890	+12.2	+10.9	+32.5	+9.2	
BIOPHYSICS .....	689	800	695	643	578	+16.1	+13.1	+7.5	+10.1	
BOTANY .....	2,544	2,380	2,756	2,882	2,840	+1.4	+6.8	+4.6	+1.5	
CELL BIOLOGY .....	481	562	534	587	631	+16.1	+5.0	+9.9	+7.5	
ECOLOGY .....	554	724	826	897	929	+30.7	+14.1	+8.6	+3.6	
ENTOMOLOGY/PARASITOLOGY .....	1,355	1,557	1,588	1,590	1,675	+14.9	+2.0	+0.1	+5.3	
GENETICS .....	784	817	836	795	943	+4.2	+2.3	+14.5	+1.5	
MICROBIOLOGY .....	3,796	3,868	3,985	4,088	3,956	+1.9	+3.0	+2.6	+3.2	
NUTRITION .....	2,519	2,543	2,818	3,407	3,562	+1.0	+10.8	+20.9	+4.5	
PATHOLOGY .....	972	1,058	1,034	1,126	1,190	+8.5	+2.0	+8.9	+5.7	
PHARMACOLOGY .....	1,429	1,617	1,700	1,758	1,889	+13.2	+5.1	+3.4	+7.5	
PHYSIOLOGY .....	2,343	2,345	2,237	2,158	2,245	+4.6	+4.6	+3.5	+4.0	
ZOOLOGY .....	3,526	3,520	3,286	3,051	2,973	+4.2	+6.6	+7.2	+2.6	
BIOSCIENCES, N.E.C. ....	1,729	1,910	2,162	2,336	2,365	+10.5	+13.2	+8.0	+1.2	
HEALTH SCIENCES .....	18,634	21,179	23,338	27,847	30,282	+13.7	+10.2	+19.3	+8.7	
ANESTHESIOLOGY .....	59	53	5	5	10	+6.8	+90.9	+0.0	+100.0	
CARDIOLOGY .....	47	23	2	5	3	+51.1	+91.3	+150.0	+40.0	
CLINICAL PHARMACOLOGY .....	3	4	24	5	8	+33.3	+500.0	+79.2	+60.0	
DENTISTRY .....	991	1,321	2,227	1,312	1,323	+33.3	+7.1	+6.9	+0.8	
ENDOCRINOLOGY .....	31	42	37	38	36	+35.5	+11.9	+2.7	+5.3	
GASTROENTEROLOGY .....	47	15	8	8	5	+68.1	+46.7	+0.0	+37.5	
HEMATOLOGY .....	22	3	14	5	8	+86.4	+33.3	+25.0	+60.0	
NEUROLOGY .....	148	196	169	182	191	+32.4	+13.8	+7.7	+4.9	
NURSING .....	3,829	4,735	6,589	9,963	10,817	+23.7	+39.2	+51.2	+8.6	
OBSTETRICS/GYNECOLOGY .....	70	53	59	27	26	+24.3	+11.3	+54.2	+3.7	
OPHTHALMOLOGY .....	45	30	13	16	3	+33.3	+56.7	+23.1	+81.3	
OTORHINOLARYNGOLOGY .....	69	54	68	57	46	+21.7	+25.9	+16.2	+19.3	
PEDIATRICS .....	149	138	153	91	87	+7.4	+10.9	+40.5	+4.4	
PHARMACEUTICAL SCIENCES .....	2,078	2,313	2,213	2,484	2,511	+11.3	+4.3	+12.2	+1.1	
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	2,986	3,572	4,038	4,127	4,661	+19.6	+13.0	+2.2	+12.9	
PSYCHIATRY .....	297	227	181	177	172	+23.6	+20.3	+2.2	+2.8	
PULMONARY DISEASE .....	47	7	0	3	10	+85.1	+100.0	+99	+233.3	
RAOIOLOGY .....	284	305	211	258	266	+7.4	+30.8	+22.3	+12.4	
SPEECH PATH/AUDIOLOGY .....	3,709	4,730	4,534	4,058	5,167	+27.5	+4.1	+7.1	+6.4	
SURGERY .....	139	125	119	101	91	+10.1	+4.8	+15.1	+9.9	
VETERINARY SCIENCES .....	658	700	768	866	866	+6.4	+7	+12.8	+0.0	
CLINICAL MEDICINE, N.E.C. ....	1,277	433	417	614	630	+66.1	+5.7	+47.2	+2.6	
HEALTH RELATED, N.E.C. ....	1,649	2,098	2,499	2,645	3,385	+27.2	+19.1	+5.8	+28.0	
PSYCHOLOGY .....	24,735	26,983	28,345	28,294	27,920	+9.1	+5.0	+2.2	+1.3	
SOCIAL SCIENCES .....	63,760	74,236	72,475	73,682	74,049	+16.4	+2.4	+1.7	+0.5	
AGRICULTURAL ECONOMICS .....	3,770	2,148	2,195	2,232	2,053	+21.4	+2.2	+1.7	+0.9	
ANTHROPOLOGY .....	5,705	6,179	6,199	6,163	5,866	+8.3	+3	+0.3	+4.8	
ECONOMICS (EXCEPT AGRICULTURAL) .....	10,122	11,159	10,631	10,892	10,976	+10.2	+4.7	+2.5	+0.8	
GEOGRAPHY .....	2,779	2,939	3,019	2,864	2,782	+5.8	+2.7	+5.1	+2.9	
HISTORY AND PHILOSOPHY OF SCIENCE .....	287	303	822	301	281	+5.6	+6.3	+6.8	+6.3	
L'INGUISTICS .....	3,163	3,888	3,971	3,981	3,832	+22.9	+2.1	+3	+3.7	
POLITICAL SCIENCE .....	17,234	21,747	20,968	21,052	21,420	+26.2	+3.6	+4.4	+1.7	
SOCIOLOGY .....	11,355	12,043	11,350	10,456	9,997	+6.1	+5.8	+7.9	+4.4	
SOCIOLOGY/ANTHROPOLOGY .....	1,410	1,635	1,561	1,369	1,180	+16.0	+16.8	+6	+13.8	
SOCIAL SCIENCES, N.E.C. ....	9,935	12,195	12,459	14,353	15,492	+22.7	+2.2	+15.2	+7.6	

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-2. GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	186,784	204,576	206,778	210,856	212,557	9.5	1.1	2.0	0.8	
ENGINEERING .....	35,920	38,958	38,730	39,472	39,407	8.5	-6	1.9	-2	
AERONAUTICAL .....	1,220	1,194	1,064	1,068	1,041	-2.1	-10.9	4	-2.5	
AGRICULTURAL .....	548	640	742	772	817	16.8	15.9	5.0	5.8	
BIOMEDICAL .....	345	408	466	408	434	18.3	14.2	-12.4	6.4	
CHEMICAL .....	3,189	3,488	3,446	3,540	3,591	9.4	-1.2	2.7	1.4	
CIVIL .....	6,764	7,394	7,065	7,345	7,395	9.3	-4.4	4.0	7	
ELECTRICAL .....	8,591	8,923	8,684	9,151	8,922	3.9	-7	5.4	-2.5	
ENGINEERING SCIENCE .....	1,797	2,014	2,042	2,066	1,716	12.1	14	-11.6	-5.0	
INDUSTRIAL .....	3,674	4,622	4,487	4,641	4,608	20.4	1.5	3.4	-7	
MECHANICAL .....	4,820	4,996	4,835	4,755	4,992	3.7	-3.2	-1.7	3.9	
METALLURGICAL/MATERIALS .....	1,324	1,427	1,449	1,508	1,515	7.8	1.5	4.1	5	
MINING .....	261	334	426	485	452	28.0	27.5	13.8	-6.8	
NUCLEAR .....	1,031	1,054	1,187	1,109	1,058	11.9	2.9	-6.6	-4.6	
PETROLEUM .....	153	185	254	268	311	20.9	37.3	9.5	16.0	
ENGINEERING, N.E.C. ....	2,203	2,379	2,583	2,616	2,605	8.0	8.6	1.3	-4	
PHYSICAL SCIENCES .....	16,887	17,094	17,318	17,276	17,244	1.2	1.3	-2	-2	
ASTRONOMY .....	452	432	395	361	356	-4.4	-8.6	-1.4	-1.4	
CHEMISTRY .....	9,699	9,977	10,279	10,346	10,456	2.9	3.0	.7	1.1	
PHYSICS .....	6,600	6,579	6,548	6,463	6,325	-3	-5	-1.3	-2.1	
PHYSICAL SCIENCES, N.E.C. ....	136	106	96	106	107	-22.1	-9.4	10.4	.9	
ENVIRONMENTAL SCIENCES .....	7,743	8,477	8,999	9,461	9,448	9.5	6.2	5.1	-1	
ATMOSPHERIC SCIENCES .....	850	909	922	923	892	6.9	1.4	-1	-3.4	
GEOSCIENCES .....	4,829	5,185	5,612	5,846	5,990	7.4	8.2	4.2	2.5	
OCEANOGRAPHY .....	1,412	1,508	1,534	1,613	1,525	6.8	1.7	5.1	15.5	
ENVIRONMENTAL SCIENCES, N.E.C. ....	652	875	931	1,079	1,041	34.2	6.4	15.9	-3.5	
MATHEMATICAL SCIENCES .....	14,792	15,652	15,996	15,152	15,476	5.8	2.2	-5.3	2.1	
COMPUTER SCIENCE .....	4,896	5,460	5,882	5,607	6,084	11.5	7.7	-4.7	8.5	
MATHEMATICS AND APPLIED MATHEMATICS .....	8,598	8,719	8,606	8,030	7,922	1.4	-1.3	-6.7	-1.3	
STATISTICS .....	1,298	1,473	1,508	1,515	1,470	13.5	2.4	.5	-3.0	
LIFE SCIENCES .....	52,165	57,784	60,290	63,646	65,174	10.8	4.3	5.6	2.4	
AGRICULTURAL SCIENCES .....	9,685	10,858	11,529	11,891	11,857	12.1	6.2	3.1	-3	
BIOLOGICAL SCIENCES .....	28,100	30,271	30,750	31,641	31,652	7.7	1.6	2.9	0	
ANATOMY .....	701	741	765	784	769	5.7	3.2	2.5	-1.9	
BIOCHEMISTRY .....	2,557	2,579	2,591	2,643	2,668	.9	.5	2.0	.8	
BIOLOGY .....	6,183	7,275	7,409	7,412	7,141	17.7	1.8	0	-3.7	
BIOMETRY/EPIDEMIOLOGY .....	427	483	413	559	634	13.1	-14.5	35.4	13.4	
BIOPHYSICS .....	421	482	372	333	326	14.5	22.8	-10.5	-2.1	
BOTANY .....	2,343	2,371	2,544	2,676	2,607	1.2	7.3	5.2	-2.6	
CELL BIOLOGY .....	262	301	327	378	405	14.9	8.6	15.6	7.1	
ECOLOGY .....	495	664	759	839	869	34.1	14.3	10.5	3.6	
ENTOMOLOGY/PARASITOLOGY .....	1,283	1,484	1,525	1,530	1,602	15.7	2.8	.3	4.7	
GENETICS .....	643	632	642	728	718	-1.7	1.6	13.4	+1.4	
MICROBIOLOGY .....	3,018	3,039	3,076	3,114	3,031	.7	1.2	1.2	-2.7	
NUTRITION .....	2,042	2,028	2,232	2,695	2,857	-.7	10.1	20.7	6.0	
PATHOLOGY .....	8,620	727	667	732	757	17.3	-8.3	9.7	3.4	
PHARMACOLOGY .....	967	1,121	1,140	1,136	1,202	15.9	1.7	-.4	5.8	
PHYSIOLOGY .....	1,664	1,704	1,604	1,545	1,596	2.4	-5.9	-3.7	3.3	
ZOOLOGY .....	3,293	3,318	3,103	2,872	2,861	.8	-6.5	-7.4	-3.9	
BIOSCIENCES, N.E.C. ....	1,181	1,322	1,581	1,665	1,714	11.9	19.6	5.9	2.9	
HEALTH SCIENCES .....	14,380	16,655	18,011	20,114	21,665	15.8	8.1	11.7	7.7	
ANESTHESIOLOGY .....	12	14	5	2	3	16.7	-64.3	-60.0	50.0	
CARDIOLOGY .....	20	20	2	2	2	0	-90.0	0	0	
CLINICAL PHARMACOLOGY .....	2	4	24	5	3	100.0	500.0	-79.2	-40.0	
DENTISTRY .....	612	804	804	859	875	31.4	.0	6.8	1.9	
ENDOCRINOLOGY .....	28	41	34	33	33	46.4	-17.1	-2.9	0	
GASTROENTEROLOGY .....	39	11	7	8	5	-71.8	-27.3	0	-37	
HEMATOLOGY .....	21	3	3	1	3	-85.7	0	46.7	200	
NEUROLOGY .....	54	61	53	73	81	13.0	-13.1	37.7	11.0	
NURSING .....	3,492	4,268	5,381	6,943	7,763	22.2	26.1	29.0	11.8	
OBSTETRICS/GYNECOLOGY .....	63	45	42	17	17	-28.6	-6.7	-59.5	0	
OPHTHALMOLOGY .....	24	11	7	13	2	-54.2	-36.4	85.7	-84.6	
OTORHINOLARYNGOLOGY .....	44	40	52	31	31	-9.1	30.0	-40.4	0	
PEDIATRICS .....	120	116	137	69	64	-3.3	18.1	-49.6	-7.2	
PHARMACEUTICAL SCIENCES .....	1,436	1,477	1,488	1,596	1,592	2.9	.7	7.3	-.3	
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	2,385	2,751	3,130	3,071	3,436	15.3	13.8	-1.9	11.9	
PSYCHIATRY .....	176	108	86	96	105	-38.6	-20.4	11.6	9.4	
PULMONARY DISEASE .....	24	9	0	3	9	-79.2	-100.0	0	200.0	
RADIOLOGY .....	251	284	319	245	215	13.1	-30.6	24.4	-12.2	
SPEECH PATH/AUDIOLOGY .....	3,113	4,067	3,922	4,282	4,493	30.6	-3.6	9.2	4.9	
SURGERY .....	127	104	84	68	70	-18.1	-19.2	-19.0	2.9	
VETERINARY SCIENCES .....	619	649	715	802	804	4.8	10.2	12.2	2	
CLINICAL MEDICINE, N.E.C. ....	576	292	278	364	363	-49.3	-4.8	30.9	-.3	
HEALTH RELATED, N.E.C. ....	4,142	1,480	1,559	1,531	1,696	29.6	5.3	-1.8	10.8	
PSYCHOLOGY .....	15,700	16,968	16,888	16,731	16,312	8.1	-.5	-.9	-2.5	
SOCIAL SCIENCES .....	42,577	48,643	48,557	49,118	49,496	13.9	-2.2	1.2	.8	
AGRICULTURAL ECONOMICS .....	1,628	2,030	2,078	2,117	2,128	24.7	2.4	1.9	.5	
ANTHROPOLOGY .....	3,977	4,293	4,513	4,455	4,273	7.9	5.1	-1.3	-4.1	
ECONOMICS (EXCEPT AGRICULTURAL) .....	6,012	6,709	6,589	6,521	6,727	11.6	-1.8	-1.0	3.2	
GEOGRAPHY .....	2,484	2,613	2,735	2,599	2,501	5.2	4.7	-5.0	-3.8	
HISTORY AND PHILOSOPHY OF SCIENCE .....	152	150	164	163	153	-1.3	9.3	-.6	-6.1	
LINGUISTICS .....	2,801	2,547	2,690	2,837	2,765	10.7	5.6	5.5	-2.5	
POLITICAL SCIENCE .....	10,560	12,467	11,589	11,803	11,748	18.1	27.0	1.8	-.5	
SOCIOLOGY .....	8,358	9,053	8,334	7,610	7,516	8.3	-7.9	-8	-1.2	
SOCIOLOGY/ANTHROPOLOGY .....	8,898	1,128	817	750	602	25.6	-27.6	-8.2	-19.7	
SOCIAL SCIENCES, N.E.C. ....	7,207	8,653	9,048	10,263	11,083	20.1	4.6	13.4	8.0	

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-3. GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE, 1974-78.

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1977-78	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	80,532	91,775	93,779	99,108	99,425	+4.0	2.2	5.7	0.3
ENGINEERING .....	21,189	26,137	25,893	27,259	26,796	-23.3	-9	5.3	-1.7
AERONAUTICAL .....	457	460	357	404	396	+7	-22.4	13.2	-2.0
AGRICULTURAL .....	37	136	33	36	40	-2.7	-8.3	9.1	11.1
BIOMEDICAL .....	938	469	424	431	456	7.6	-9.6	1.7	5.8
CHEMICAL .....	1,621	1,547	1,707	1,739	1,780	+1.7	10.3	-1.9	2.9
CIVIL .....	2,207	3,802	3,373	3,386	3,295	-18.6	-11.3	-1.1	-1.2
ELECTRICAL .....	6,796	6,739	6,571	7,243	7,637	+8	-2.5	10.2	2.7
ENGINEERING SCIENCE .....	514	394	388	394	386	-23.3	-3.3	3.4	-2.0
INDUSTRIAL .....	3,276	7,408	7,439	7,394	6,746	-126.1	-4	7.6	-8.8
MECHANICAL .....	2,691	2,573	2,592	3,015	2,769	+4.4	-7	16.3	-5.2
METALLURGICAL/MATERIALS .....	971	1,010	996	1,092	1,024	+4.0	-1.4	3.6	-1.1
MINING .....	69	82	94	86	87	-18.8	14.6	-8.5	1.2
NUCLEAR .....	460	483	424	387	389	-5.0	-12.2	-8.7	-5
PETROLEUM .....	152	147	150	151	165	+3.3	2.0	-7	9.3
ENGINEERING, N.E.C. ....	612	989	1,352	1,611	1,730	+61.6	36.7	19.2	7.4
PHYSICAL SCIENCES .....	7,861	7,690	7,936	7,984	7,793	-2.2	3.2	.6	-2.4
ASTRONOMY .....	171	189	190	182	173	-10.5	-5	-4.2	-4.9
CHEMISTRY .....	4,060	4,107	4,199	4,319	4,303	+1.2	2.2	2.9	-1.4
PHYSICS .....	3,570	3,312	3,398	3,296	3,127	-7.2	1.4	-1.8	-5.1
PHYSICAL SCIENCES, N.E.C. ....	60	82	189	187	190	36.7	130.5	-1.1	-1.6
ENVIRONMENTAL SCIENCES .....	2,237	2,227	2,367	2,402	2,421	+4	6.3	1.5	.8
ATMOSPHERIC SCIENCES .....	165	88	74	63	53	-46.7	-15.9	-14.9	-16.9
GEOSCIENCES .....	1,452	1,554	1,570	1,541	1,528	+7.0	1.0	-1.8	-8.8
OCEANOGRAPHY .....	504	471	464	561	561	+6.5	-1.5	20.9	0
ENVIRONMENTAL SCIENCES, N.E.C. ....	116	114	259	237	279	-1.7	127.2	-8.5	17.7
MATHEMATICAL SCIENCES .....	5,532	5,493	5,638	5,862	6,157	+7	2.6	4.0	5.0
COMPUTER SCIENCE .....	1,447	1,615	1,701	2,064	2,613	+11.6	5.3	21.3	26.6
MATHEMATICS AND APPLIED MATHEMATICS .....	3,760	3,515	3,575	3,470	3,243	-6.5	1.7	-2.9	-6.5
STATISTICS .....	325	363	362	328	301	-11.7	-3	-9.4	-8.2
LIFE SCIENCES .....	14,485	15,618	16,570	19,474	20,097	+7.8	6.1	17.5	3.2
AGRICULTURAL SCIENCES .....	269	291	292	303	311	+8.2	.3	3.8	2.6
BIOLOGICAL SCIENCES .....	9,962	10,803	10,951	11,438	11,169	+8.4	1.4	4.4	-2.4
ANATOMY .....	359	347	355	383	374	-3.3	2.3	7.9	-2.3
BIOCHEMISTRY .....	1,155	1,095	1,081	1,123	1,228	+52	-1.3	3.9	9.3
BIOLOGY .....	3,700	4,448	4,427	4,439	3,980	-20.2	-5	.3	-10.3
BIOMETRY/EPIDEMIOLOGY .....	256	208	203	256	256	+18.8	-2.4	26.4	0
BIOPHYSICS .....	268	318	323	310	252	-18.7	1.6	-4.0	18.7
BOTANY .....	201	209	212	206	233	+7.0	1.4	7.8	13.1
CELL BIOLOGY .....	222	261	207	209	226	17.6	-20.7	1.0	8.1
ECOLOGY .....	59	60	67	58	60	1.7	11.7	-13.4	3.4
ENTOMOLOGY/PARASITOLOGY .....	72	73	63	60	73	1.4	-13.7	-4.8	21.7
GENETICS .....	141	185	194	229	225	-225	31.2	4.9	18.0
MICROBIOLOGY .....	748	829	909	974	925	6.6	9.7	7.2	-5.0
NUTRITION .....	477	515	586	712	705	8.0	13.8	21.5	-1.0
PATHOLOGY .....	352	328	367	394	433	-6.8	11.9	7.4	9.9
PHARMACOLOGY .....	462	496	560	622	687	7.4	12.9	11.1	10.5
PHYSIOLOGY .....	679	641	633	613	649	-5.6	-1.2	-3.2	5.9
ZOOLOGY .....	233	202	183	179	212	-13.3	-9.4	-2.2	18.4
BIOSCIENCES, N.E.C. ....	548	588	581	671	651	-1.2	15.5	-3.0	-3.0
HEALTH SCIENCES .....	4,254	4,524	5,327	7,733	8,617	+6.3	17.7	45.2	11.4
ANESTHESIOLOGY .....	47	41	0	3	7	-12.8	-100.0	0	133.3
CARDIOLOGY .....	27	3	0	3	1	-88.9	-100.0	0	-66.7
CLINICAL PHARMACOLOGY .....	1	0	0	0	5	-100.0	0	0	0
DENTISTRY .....	379	517	423	453	448	-36.4	-18.2	7.1	-1.1
ENDOCRINOLOGY .....	3	1	3	5	3	-66.7	200.0	66.7	-40.0
GASTROENTEROLOGY .....	8	4	0	0	0	-50.0	-100.0	0	0
HEMATOLOGY .....	1	0	1	4	5	-100.0	0	300.0	25.0
NEUROLOGY .....	94	135	116	109	110	-43.6	-14.1	-6.0	.9
NURSING .....	337	467	1,208	3,020	3,054	38.6	158.7	150.0	1.1
OBSTETRICS/GYNECOLOGY .....	7	8	17	10	9	14.3	112.5	-41.2	-10.0
OPHTHALMOLOGY .....	21	19	8	3	1	-9.5	-68.4	-50.0	-66.7
OTORHINOLARYNGOLOGY .....	25	14	16	26	15	-44.0	14.3	62.5	-42.3
PEDIATRICS .....	29	22	16	22	23	-24.1	-27.3	37.5	4.5
PHARMACEUTICAL SCIENCES .....	642	836	725	888	919	30.2	-13.3	22.5	3.5
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	601	821	908	1,056	1,225	36.6	10.6	16.3	16.0
PSYCHIATRY .....	121	119	95	81	67	-1.7	-20.2	-14.7	-17.3
PULMONARY DISEASE .....	23	2	0	0	1	-91.3	-100.0	0	0
RADIOLOGY .....	33	21	14	13	11	-36.4	-33.3	-7.1	-15.4
SPEECH PATH/AUDIOLOGY .....	596	663	612	576	674	11.2	-7.7	-5.9	17.0
SURGERY .....	12	21	35	33	21	75.0	66.7	-5.7	-36.4
VETERINARY SCIENCES .....	39	53	53	64	62	30.8	-3.9	20.8	-3.1
CLINICAL MEDICINE, N.E.C. ....	701	141	139	250	267	-79.9	-1.4	79.9	6.8
HEALTH RELATED, N.E.C. ....	507	618	940	1,114	1,689	21.9	52.1	18.8	51.6
PSYCHOLOGY .....	9,035	10,015	11,457	11,963	11,608	+10.8	14.4	.9	.4
SOCIAL SCIENCES .....	20,183	24,593	23,918	24,564	24,553	+21.9	-2.7	2.7	0
AGRICULTURAL ECONOMICS .....	142	118	117	115	125	-16.9	-.8	-1.7	8.7
ANTHROPOLOGY .....	1,728	1,886	1,686	1,728	1,613	9.1	-10.6	2.5	-6.7
ECONOMICS (EXCEPT AGRICULTURAL) .....	4,110	4,450	4,042	4,371	4,249	8.3	-9.2	8.1	0
GEOGRAPHY .....	295	326	284	265	281	10.5	-12.9	-6.7	0
HISTORY AND PHILOSOPHY OF SCIENCE .....	135	153	158	137	128	-13.3	3.3	-13.3	-6.6
LINGUISTICS .....	862	1,341	1,281	1,144	1,067	-55.6	-4.5	-10.7	-6.7
POLITICAL SCIENCE .....	6,674	9,280	9,379	9,249	9,672	39.0	1.1	-1.4	4.6
SOCIOLOGY .....	2,997	2,990	3,016	2,846	2,481	-2.2	.9	-5.6	-12.8
SOCIOLOGY/ANTHROPOLOGY .....	512	507	544	619	578	-1.0	7.3	13.8	-6.6
SOCIAL SCIENCES, N.E.C. ....	2,728	3,542	3,411	4,090	4,359	29.8	-3.7	19.9	6.6

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-4. FIRST-YEAR GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER							PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78		
TOTAL, ALL FIELDS .....	102,618	113,205	109,761	115,635	106,719	10.3	-3.0	5.4	-7.7		
ENGINEERING .....	25,078	29,314	27,745	28,882	25,342	16.9	-5.4	4.1	-12.3		
AERONAUTICAL .....	554	641	485	535	509	15.7	-24.3	10.3	-4.9		
AGRICULTURAL .....	223	287	305	305	284	28.7	-6.3	0.0	-6.9		
BIMEDICAL .....	318	295	327	275	297	-7.2	10.8	-15.9	8.0		
CHEMICAL .....	1,860	1,981	2,025	2,209	1,966	6.5	2.2	-9.1	-10.0		
CIVIL .....	4,741	4,997	4,550	4,624	3,958	5.4	-8.9	1.16	-14.4		
ELECTRICAL .....	7,129	7,189	6,724	7,676	6,702	-8	-6.5	14.2	-12.7		
ENGINEERING SCIENCE .....	864	807	881	699	602	-6.6	9.2	-20.7	-13.9		
INDUSTRIAL .....	3,002	6,403	5,895	5,932	5,029	113.3	-7.9	-1.6	-15.2		
MECHANICAL .....	3,421	3,311	3,162	3,263	2,912	-3.2	-4.5	-0.2	-10.8		
METALLURGICAL/MATERIALS .....	716	710	690	755	730	-8	-2.8	-9.4	-3.3		
MINING .....	133	180	234	205	168	35.3	30.0	-12.4	-18.0		
NUCLEAR .....	676	721	515	469	437	6.7	-28.6	-8.9	-6.8		
PETROLEUM .....	106	123	193	162	147	16.0	56.9	-216.1	-9.3		
ENGINEERING, N.E.C. ....	1,335	1,669	1,759	1,773	1,601	25.0	5.4	-8	-9.7		
PHYSICAL SCIENCES .....	6,908	7,030	7,102	7,171	6,779	1.8	1.0	1.0	-5.5		
ASTRONOMY .....	135	121	119	136	112	-10.4	-1.7	14.3	-17.6		
CHEMISTRY .....	4,011	4,204	4,342	4,342	4,128	4.8	3.3	0.0	-4.9		
PHYSICS .....	2,653	2,603	2,546	2,555	2,407	-1.9	-2.2	-4	-5.8		
PHYSICAL SCIENCES, N.E.C. ....	109	102	95	138	132	-6.4	-6.9	45.3	-4.3		
ENVIRONMENTAL SCIENCES .....	3,396	3,708	3,718	3,840	3,586	9.2	-3	3.3	-6.6		
ATMOSPHERIC SCIENCES .....	335	353	325	333	289	5.4	-7.9	2.5	-13.2		
GEOSCIENCES .....	2,082	2,320	2,334	2,341	2,158	11.4	-6	-3	-7.8		
OCEANOGRAPHY .....	577	563	538	626	604	-2.4	-4.4	16.4	-3.5		
ENVIRONMENTAL SCIENCES, N.E.C. ....	402	472	521	540	535	17.4	10.4	3.6	-9		
MATHEMATICAL SCIENCES .....	8,122	8,615	8,084	8,184	7,964	6.1	-6.2	1.2	-2.7		
COMPUTER SCIENCE .....	2,841	3,317	3,097	3,330	3,508	16.8	-8.0	7.5	5.3		
MATHEMATICS AND APPLIED MATHEMATICS .....	4,750	4,659	4,387	4,309	3,940	-1.9	-5.8	-1.8	-8.6		
STATISTICS .....	531	639	600	545	516	20.3	-6.1	-9.2	-5.3		
LIFE SCIENCES .....	26,636	28,513	29,214	31,648	29,601	7.0	2.5	8.3	-6.5		
AGRICULTURAL SCIENCES .....	3,896	4,329	4,489	4,427	3,826	11.1	-3.7	-1.4	-13.6		
BIOLOGICAL SCIENCES .....	12,739	13,433	13,070	13,180	11,963	5.4	-2.4	18	-9.2		
ANATOMY .....	342	322	307	289	252	-5.8	-4.7	-5.9	-12.8		
BIOCHEMISTRY .....	1,061	1,051	996	989	928	-9	-5.2	-7	-6.2		
BIOLOGY .....	3,584	4,174	4,167	4,042	3,355	16.5	-4.2	-3.0	-17.0		
BIOMETRY/EPIDEMIOLOGY .....	281	252	221	257	308	-10.3	+12.3	16.3	19.8		
BIOPHYSICS .....	167	207	141	131	107	24.0	-31.9	-7.1	-18.3		
BOTANY .....	755	736	837	793	718	-2.5	13.7	-5.3	-9.5		
CELL BIOLOGY .....	109	183	132	159	157	67.9	-27.9	20.5	-1.3		
ECOLOGY .....	174	220	205	203	205	26.4	-6.8	-1.0	1.0		
ENTOMOLOGY/PARASITOLOGY .....	346	526	456	451	432	52.0	-13.3	-1.1	-4.2		
GENETICS .....	226	246	240	268	228	8.8	-2.4	11.7	-14.9		
MICROBIOLOGY .....	1,288	1,208	1,163	1,189	994	-6.2	-3.7	2.2	-16.4		
NUTRITION .....	1,110	1,069	1,104	1,377	1,259	-3.7	3.3	24.3	-8.6		
PATHOLOGY .....	353	332	310	340	332	-5.9	-6.6	9.7	-2.4		
PHARMACOLOGY .....	478	493	470	440	483	3.1	-4.7	-6.4	9.8		
PHYSIOLOGY .....	810	735	619	633	632	-9.3	-15.8	2.3	-7.2		
ZOOLOGY .....	1,037	963	918	782	830	-7.1	-4.7	-14.8	6.1		
BIOSCIENCES, N.E.C. ....	618	716	784	837	743	15.9	9.5	6.8	-11.2		
HEALTH SCIENCES .....	10,001	10,751	11,655	14,041	13,812	7.5	8.4	20.5	-1.6		
ANESTHESIOLOGY .....	32	19	1	5	6	-40.6	-94.7	400.0	20.0		
CARDIOLOGY .....	19	13	0	1	0	-31.6	-100.0	0.0	-100.0		
CLINICAL PHARMACOLOGY .....	0	4	7	4	1	0.0	75.0	-42.9	-75.0		
DENTISTRY .....	421	529	484	517	508	25.7	-8.5	6.8	-1.7		
ENDOCRINOLOGY .....	9	8	13	11	9	-11.1	62.5	-15.4	-18.2		
GASTROENTEROLOGY .....	18	6	4	4	0	-66.7	-33.3	0.0	-100.0		
HEMATOLOGY .....	6	3	2	0	2	-50.0	-33.3	-100.0	0.0		
NEUROLOGY .....	33	44	31	44	41	33.3	-29.5	41.9	-6.8		
NURSING .....	2,641	2,922	4,025	5,716	5,340	10.6	37.7	42.0	-6.6		
OBSTETRICS/GYNECOLOGY .....	26	22	24	11	9	-15.4	9.1	-54.2	-18.2		
OPHTHALMOLOGY .....	17	6	3	1	1	-64.7	-50.0	-66.7	0.0		
OTORHINOLARYNGOLOGY .....	12	13	22	21	14	8.3	69.2	-6.5	-33.3		
PEDIATRICS .....	66	68	118	63	47	3.0	73.5	-46.6	-25.4		
PHARMACEUTICAL SCIENCES .....	747	803	754	855	813	7.5	-6.1	13.4	-4.9		
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	1,730	2,079	2,260	2,245	2,404	20.2	8.7	-7	7.1		
PSYCHIATRY .....	82	59	49	32	37	-28.0	-16.9	-34.7	15.6		
PULMONARY DISEASE .....	32	3	0	2	4	-90.6	-100.0	0.0	100.0		
RADIOLOGY .....	127	116	81	89	61	-8.7	-30.2	9.9	-31.5		
SPEECH PATH/AUDIOLOGY .....	2,247	2,465	2,143	2,323	2,220	9.7	-13.1	8.4	-4.4		
SURGERY .....	63	35	35	23	15	-44.4	0.0	-34.3	-34.8		
VETERINARY SCIENCES .....	238	262	294	315	269	10.1	12.2	7.1	-14.6		
CLINICAL MEDICINE, N.E.C. ....	537	187	190	274	298	-65.2	1.6	44.2	8.8		
HEALTH RELATED, N.E.C. ....	898	1,085	1,115	1,485	1,713	20.8	2.8	33.2	15.4		
PSYCHOLOGY .....	7,816	7,765	7,651	7,758	7,072	-7	-1.5	1.4	-8.8		
SOCIAL SCIENCES .....	24,662	28,260	26,247	28,152	26,375	14.6	-7.1	1.3	-6.3		
AGRICULTURAL ECONOMICS .....	646	768	902	823	738	18.9	4.4	2.6	-10.3		
ANTHROPOLOGY .....	1,573	1,513	1,596	1,558	1,338	-3.8	5.5	-2.4	-14.1		
ECONOMICS (EXCEPT AGRICULTURAL) .....	3,648	4,009	3,560	3,711	3,574	9.9	-11.2	4.2	-3.7		
GEOGRAPHY .....	782	975	1,012	966	836	10.5	3.8	-4.6	-13.5		
HISTORY AND PHILOSOPHY OF SCIENCE .....	84	66	80	64	62	-21.4	21.2	-20.0	-3.1		
LINGUISTICS .....	1,365	1,526	1,616	1,528	1,353	11.8	5.9	-5.4	-11.5		
POLITICAL SCIENCE .....	7,269	8,797	7,825	8,660	7,899	21.0	-11.0	10.7	-8.8		
SOCIOLOGY .....	3,855	4,001	3,617	3,465	3,061	3.8	-9.6	-4.2	-11.7		
SOCIOLOGY/ANTHROPOLOGY .....	532	589	410	425	366	10.7	-30.4	3.7	-13.9		
SOCIAL SCIENCES, N.E.C. ....	4,808	6,016	5,729	6,952	7,148	25.1	-4.8	21.3	2.8		

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-5. GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	864,698	183,146	190,796	194,329	205,263	11.2	4.2	1.9	5.6	
ENGINEERING .....	32,041	35,783	36,878	37,849	40,861	11.7	3.1	2.6	8.0	
AERONAUTICAL .....	1,123	1,013	936	937	928	-9.8	-7.6	.1	-1.0	
AGRICULTURAL .....	362	389	470	503	573	7.5	20.8	7.0	13.9	
BIOMEDICAL .....	463	582	563	564	593	25.7	-3.3	.2	5.1	
CHEMICAL .....	2,850	3,054	3,128	3,070	3,414	7.2	2.4	-1.9	11.2	
CIVIL .....	5,230	5,199	5,888	6,057	6,732	18.5	-5.0	2.9	11.1	
ELECTRICAL .....	8,258	8,473	8,531	8,718	9,657	2.6	.7	2.2	10.8	
ENGINEERING SCIENCE .....	1,447	1,601	1,542	1,501	1,500	10.6	-3.7	-2.7	-.1	
INDUSTRIAL .....	35,948	5,427	6,031	6,103	6,325	37.5	11.1	1.2	3.6	
MECHANICAL .....	4,090	4,258	4,265	4,507	4,889	4.1	.2	5.7	8.5	
METALLURGICAL/MATERIALS .....	1,579	1,727	1,755	1,785	1,806	9.4	1.6	1.7	1.2	
MINING .....	197	236	286	366	371	19.8	21.2	28.0	1.4	
NUCLEAR .....	815	916	1,096	1,021	1,010	12.4	19.7	-6.3	-1.7	
PETROLEUM .....	199	209	211	257	329	5.0	1.0	21.8	28.0	
ENGINEERING, N.E.C. ....	1,480	1,699	2,176	2,454	2,734	14.8	28.1	12.8	18.4	
PHYSICAL SCIENCES .....	17,840	17,754	18,152	18,089	18,258	-.5	2.2	-.3	.9	
ASTRONOMY .....	488	500	468	407	417	2.5	-6.8	-12.7	2.5	
CHEMISTRY .....	9,748	9,880	10,136	10,323	10,631	1.4	2.6	1.8	3.0	
PHYSICS .....	7,517	7,288	7,204	7,204	7,045	-3.0	1.0	-2.1	-2.2	
PHYSICAL SCIENCES, N.E.C. ....	87	86	155	165	-1.1	120.9	-18.4	6.5		
ENVIRONMENTAL SCIENCES .....	6,584	6,996	7,648	8,023	8,283	6.3	9.3	4.9	3.2	
ATMOSPHERIC SCIENCES .....	680	644	671	653	656	-5.3	4.2	-2.7	.5	
GEOSCIENCES .....	4,199	4,419	4,848	5,046	5,360	5.2	9.7	4.1	6.2	
OCEANOGRAPHY .....	1,339	1,416	1,460	1,548	1,482	5.8	3.1	6.0	-4.3	
ENVIRONMENTAL SCIENCES, N.E.C. ....	366	517	669	776	785	41.3	29.4	16.0	1.2	
MATHEMATICAL SCIENCES .....	12,202	12,530	13,550	12,830	13,669	2.7	8.1	-5.3	6.5	
COMPUTER SCIENCE .....	3,502	3,758	4,486	4,341	5,189	7.3	19.4	-3.2	19.5	
MATHEMATICS AND										
APPLIED MATHEMATICS .....	7,608	7,575	7,794	7,191	7,225	-.4	2.9	-7.7	.5	
STATISTICS .....	1,092	1,197	1,270	1,298	1,255	9.6	6.1	2.2	-3.3	
LIFE SCIENCES .....	40,014	44,889	47,646	51,472	55,670	12.2	6.1	8.0	8.2	
AGRICULTURAL SCIENCES .....	6,058	6,820	7,332	7,767	8,342	12.6	7.5	5.9	7.4	
BIOLOGICAL SCIENCES .....	25,329	27,641	28,631	29,899	30,858	9.2	3.6	4.4	3.2	
ANATOMY .....	718	766	613	878	891	6.7	6.1	8.0	1.5	
BIOCHEMISTRY .....	2,651	2,623	2,676	2,777	2,963	-1.1	2.0	3.8	6.7	
BIOLOGY .....	6,299	7,549	7,669	7,809	7,766	19.8	1.6	1.8	-6.4	
BIDMETRY/EPIDEMIOLGY .....	402	439	395	558	582	9.2	-10.0	41.3	4.3	
BIPHYSICS .....	522	593	554	512	471	13.6	-6.6	-7.6	-8.0	
BOTANY .....	1,789	1,844	1,919	2,089	2,122	3.1	4.1	8.9	1.6	
CELL BIOLOGY .....	375	379	402	428	474	1.1	6.1	6.5	10.7	
ECOLOGY .....	380	504	621	694	724	32.6	23.2	11.8	4.3	
ENTOMOLOGY/PARASITOLOGY .....	1,009	1,031	1,132	1,139	1,243	2.2	9.8	.6	9.1	
GENETICS .....	558	571	596	689	715	2.3	4.4	15.6	3.8	
MICROBIOLOGY .....	2,508	2,660	2,822	2,899	2,962	6.1	6.1	2.7	2.2	
NUTRITION .....	1,409	1,474	1,714	2,030	2,303	4.6	16.3	18.4	13.4	
PATHOLOGY .....	619	723	724	786	858	16.8	.1	8.6	9.2	
PHARMACOLOGY .....	951	1,124	1,230	1,318	1,406	18.2	9.4	7.2	6.7	
PHYSIOLOGY .....	1,533	1,610	1,618	1,525	1,613	5.0	-.5	-5.7	5.8	
ZOOLOGY .....	2,489	2,557	2,368	2,269	2,143	2.7	-7.4	4.2	-5.6	
BIOSCIENCES, N.E.C. ....	1,111	1,194	1,378	1,499	1,622	7.5	15.4	6.8	8.2	
HEALTH SCIENCES .....	8,633	10,428	11,683	13,806	16,470	20.8	12.0	18.2	19.3	
ANESTHESIOLOGY .....	29	36	4	0	4	33.3	-88.9	-100.0	0	
CARDIOLOGY .....	28	10	2	4	3	-64.3	-80.0	100.0	-25.0	
CLINICAL PHARMACOLOGY .....	3	0	17	1	7	-100.0	0	-94.1	600.0	
DENTISTRY .....	570	792	743	795	815	38.9	-6.2	7.0	2.5	
ENDOCRINOLOGY .....	22	34	24	27	27	54.5	-29.4	12.5	0	
GASTROENTEROLOGY .....	29	9	4	4	5	-69.0	-55.6	0	25.0	
HEMATOLOGY .....	16	0	2	5	6	-100.0	0	150.0	20.0	
NEUROLOGY .....	115	152	138	138	150	32.2	-9.2	0	8.7	
NURSTNG .....	1,188	1,813	2,564	4,247	5,477	52.6	41.4	65.6	29.0	
OBSTETRICS/GYNECOLOGY .....	44	31	35	16	17	-29.5	12.9	-54.3	6.3	
OPHTHALMOLOGY .....	28	24	10	15	2	-14.3	-58.3	50.0	-86.7	
OTORHINOLARYNGOLOGY .....	57	41	46	36	32	-28.1	12.2	-21.7	-11.1	
PEDIATRICS .....	83	70	35	28	40	-15.7	-50.0	-20.0	2.9	
PHARMACEUTICAL SCIENCES .....	1,331	1,510	1,459	1,629	1,698	19.4	-3.4	11.7	2.2	
PREVENTIVE MEDICINE/										
COMMUNITY HEALTH .....	1,256	1,493	1,778	1,882	2,257	18.9	19.1	5.8	19.1	
PSYCHIATRY .....	215	168	132	145	135	-21.9	-21.4	9.8	-6.9	
PULMONARY DISEASE .....	15	4	0	1	6	-73.3	-100.0	0	500.0	
RADIOLOGY .....	157	189	130	169	165	20.4	-31.2	30.0	-2.4	
SPEECH PATH/AUDIOLOGY .....	1,462	2,265	2,391	2,535	2,947	54.9	5.6	6.0	16.3	
SURGERY .....	76	90	84	78	76	18.4	-6.7	-7.1	2.6	
VETERINARY SCIENCES .....	420	438	474	551	597	4.3	8.2	16.2	2.3	
CLINICAL MEDICINE, N.E.C. ....	740	246	227	340	332	-66.8	-7.7	49.8	-2.4	
HEALTH RELATED, N.E.C. ....	751	1,013	1,384	1,160	1,672	34.9	36.6	-16.2	44.1	
PSYCHOLOGY .....	16,919	19,218	20,694	20,536	20,848	13.6	7.7	-.8	1.5	
SOCIAL SCIENCES .....	39,098	45,976	46,228	45,530	47,674	17.6	5	-1.5	4.7	
AGRICULTURAL ECONOMICS .....	1,124	1,380	1,393	1,409	1,515	22.8	0	1.1	7.5	
ANTHROPOLOGY .....	4,132	4,666	4,603	4,625	4,548	12.9	-1.4	0	-1.7	
ECONOMICS (EXCEPT AGRICULTURAL) .....	6,474	7,150	7,071	7,181	7,402	10.4	-1.1	1.6	3.1	
GEOGRAPHY .....	1,897	1,964	2,007	1,898	1,946	3.5	2.2	-5.4	2.5	
HISTORY AND PHILOSOPHY OF SCIENCE .....	203	237	242	236	219	16.7	2.1	-2.5	-7.2	
LINGUISTICS .....	1,798	2,362	2,355	2,453	2,479	31.4	-.3	4.2	1.1	
POLITICAL SCIENCE .....	9,965	12,950	13,143	12,392	13,521	30.0	1.5	-5.7	9.1	
SOCIOLOGY .....	7,500	8,042	7,733	6,991	6,936	7.2	-3.8	-9.6	-8	
SOCIOLOGY/ANTHROPOLOGY .....	878	1,046	951	944	814	19.1	-9.1	-.7	-13.8	
SOCIAL SCIENCES, N.E.C. ....	5,127	6,179	6,730	7,401	8,294	20.5	8.9	10.0	12.1	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-6. GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE				
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
UNITED STATES TOTAL .....	267,316	296,351	300,557	309,964	311,982	10.9	1.4	3.1	0.7	
NEW ENGLAND .....	20,426	21,004	22,078	22,209	22,940	2.8	5.1	.6	3.3	
CONNECTICUT .....	3,278	3,361	3,686	3,418	3,674	2.5	9.7	-7.3	1.6	
MAINE .....	432	446	512	469	487	3.5	14.8	-8.4	3.8	
MASSACHUSETTS .....	13,656	14,253	15,031	15,444	16,110	4.4	5.5	2.7	4.3	
NEW HAMPSHIRE .....	754	652	676	723	666	-13.5	3.7	7.0	-7.9	
RHODE ISLAND .....	1,711	1,888	1,688	1,675	1,753	6.1	-7.0	-8	4.7	
VERMONT .....	596	477	489	480	450	-20.0	1.7	-1.0	-6.3	
MIDDLE ATLANTIC .....	50,103	56,055	53,792	55,982	54,622	11.9	-4.0	4.1	-2.4	
NEW JERSEY .....	8,105	9,359	8,651	8,779	8,795	15.5	-7.6	1.5	-2	
NEW YORK .....	29,936	33,758	31,218	33,210	32,092	12.8	-7.5	6.4	-3.4	
PENNSYLVANIA .....	12,062	12,938	13,923	13,993	13,735	7.3	7.6	.5	-1.8	
EAST NORTH CENTRAL .....	53,289	56,020	56,561	57,464	57,595	5.1	1.0	1.6	.2	
ILLINOIS .....	13,716	14,239	14,101	15,074	15,306	3.8	-1.0	6.9	1.5	
INDIANA .....	6,628	6,870	7,210	7,152	7,113	3.7	-4.9	-.8	-5	
MICHIGAN .....	12,639	12,483	12,209	12,247	12,269	-1.2	-2.2	.3	.2	
OHIO .....	12,816	13,953	14,994	15,202	15,317	8.9	7.5	1.4	.8	
WISCONSIN .....	7,490	8,475	8,047	7,789	7,590	13.2	-5.1	-3.2	-2.6	
WEST NORTH CENTRAL .....	19,470	21,396	22,064	22,596	22,855	9	3.1	2.4	1.1	
IDAHO .....	3,579	3,653	3,982	4,006	4,268	2.1	9.0	-.6	6.5	
KANSAS .....	3,327	3,716	3,913	4,189	4,413	11.7	5.3	7.1	5.3	
MINNESOTA .....	4,650	5,320	5,026	4,863	4,863	14.4	-5.5	-3.2	-.0	
MISSOURI .....	5,303	5,944	6,091	6,030	5,742	12.1	2.5	-1.0	-4.8	
NEBRASKA .....	1,286	1,470	1,730	2,112	2,073	14.3	17.7	22.1	-1.8	
NORTH DAKOTA .....	693	742	809	836	858	7.1	9.0	3.3	2.6	
SOUTH DAKOTA .....	632	551	513	560	638	-12.8	-6.9	9.2	13.9	
SOUTH ATLANTIC .....	36,337	40,597	42,081	44,733	45,759	11.7	3.7	6.3	2.3	
DELAWARE .....	863	908	902	884	884	5.2	-.7	-2.0	.0	
DISTRICT OF COLUMBIA .....	6,160	7,314	7,600	7,050	8,714	18.7	3.9	19.1	-3.7	
FLORIDA .....	6,033	7,013	7,397	7,198	7,974	16.2	5.5	-2.7	10.8	
GEORGIA .....	4,452	4,816	4,832	4,881	5,087	8.2	3	4.6		
MARYLAND .....	5,774	5,590	5,624	5,754	5,696	-3.2	.6	2.3	-1.0	
NORTH CAROLINA .....	5,403	5,739	5,764	6,257	6,328	6.2	.4	8.6	1.1	
SOUTH CAROLINA .....	1,942	2,539	2,720	2,833	2,830	30.7	7.1	4.2	-.1	
VIRGINIA .....	4,328	5,037	5,389	5,686	5,880	16.4	7.0	5.5	3.4	
WEST VIRGINIA .....	1,382	1,641	1,853	2,210	2,366	18.7	12.9	19.3	7.1	
EAST SOUTH CENTRAL .....	9,796	11,248	12,208	12,830	13,066	14.8	8.5	5.1	1.8	
ALABAMA .....	1,979	2,328	2,810	3,182	3,362	17.6	20.7	13.2	5.7	
KENTUCKY .....	1,966	2,254	2,386	2,475	2,462	19.6	5.9	3.7	-.5	
MISSISSIPPI .....	1,343	1,765	1,824	1,858	1,970	31.4	2.3	1.9	6.0	
TENNESSEE .....	4,508	4,901	5,188	5,315	5,272	8.7	5.9	2.4	-.8	
WEST SOUTH CENTRAL .....	21,942	23,624	24,555	26,967	27,694	7.7	3.9	9.8	2.7	
ARKANSAS .....	826	857	948	1,044	1,056	3.8	10.6	10.1	1.1	
LOUISIANA .....	3,071	2,798	2,883	3,100	3,483	-8.9	3.0	7.5	12.4	
OKLAHOMA .....	3,676	3,655	3,344	3,726	3,757	-6.0	-3.2	11.4	.8	
TEXAS .....	14,369	16,514	17,380	19,097	19,398	14.9	5.2	9.9	1.6	
MOUNTAIN .....	17,198	20,447	19,999	19,861	20,157	18.9	-2.2	7	1.5	
ARIZONA .....	4,259	4,791	4,707	4,729	4,792	12.5	-1.8	.5	1.3	
COLORADO .....	5,892	7,735	7,182	6,855	6,648	31.3	-7.1	-4.6	-3.0	
IDAHO .....	755	801	975	1,192	1,191	11.4	15.9	22.3	-.1	
MONTANA .....	689	756	774	763	772	9.7	2.4	-1.4	1.2	
NEVADA .....	421	455	537	469	435	8.1	18.0	-12.7	-7.2	
NEW MEXICO .....	1,369	1,970	1,915	1,809	2,059	25.6	-2.8	-5.5	13.8	
UTAH .....	3,000	3,218	3,214	3,369	3,582	7.3	-.1	4.8	6.3	
WYOMING .....	613	681	695	675	678	11.1	2.1	-2.9	.4	
PACIFIC .....	37,593	44,407	45,805	45,708	45,744	18.4	2.9	-.2	.1	
ALASKA .....	209	173	208	228	251	-17.2	20.2	9.6	10.1	
CALIFORNIA .....	28,947	35,412	35,807	35,019	34,895	22.3	1.1	-2.2	-.4	
HAWAII .....	1,388	1,484	1,496	1,543	1,501	6.9	.8	3.1	-2.7	
OREGON .....	2,495	2,852	2,995	3,136	3,262	14.3	5.0	9.7	9.1	
WASHINGTON .....	4,554	4,586	5,299	5,783	5,835	.7	15.5	9.1	.9	
OUTLYING AREAS .....	1,162	1,453	1,414	1,614	1,550	25.0	-2.7	14.1	-410	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-7. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	PERCENT CHANGE	
										NUMBER	PERCENT
TOTAL, ALL FIELDS .....	195,915	211,553	214,866	218,425	217,588	0.0	1.6	1.7	-0.4		
ENGINEERING .....	33,691	37,112	36,414	36,797	37,129	10.2	-1.9	1.1	.9		
AERONAUTICAL .....	1,258	1,230	1,126	1,158	1,126	-2.2	-8.5	2.8	-2.8		
AGRICULTURAL .....	468	577	641	692	708	18.2	11.1	8.0	2.3		
BIOMEDICAL .....	668	758	719	685	710	13.5	5.1	-4.7	3.6		
CHEMICAL .....	3,318	3,590	3,737	4,016	4,065	6.2	4.1	7.5	1.2		
CIVIL .....	5,866	6,591	6,082	6,220	6,376	12.4	-7.7	2.3	2.5		
ELECTRICAL .....	7,650	8,133	8,073	8,279	8,236	6.3	-1.6	3.4	-5.5		
ENGINEERING SCIENCE .....	1,578	1,681	1,683	1,503	1,447	6.5	-1.1	-10.7	-3.7		
INDUSTRIAL .....	3,605	4,502	4,036	3,851	3,864	24.9	-10.4	-4.6	-3		
MECHANICAL .....	4,213	4,424	4,469	4,470	4,602	5.0	1.0	4.4	3.0		
METALLURGICAL/MATERIALS .....	1,694	1,820	1,891	1,976	1,994	7.4	3.9	4.5	4.9		
MINING .....	281	350	413	450	421	24.6	18.0	9.0	-6.4		
NUCLEAR .....	1,061	1,267	1,233	1,165	1,167	19.4	-2.7	-5.5	-2.2		
PETROLEUM .....	261	258	351	340	376	-1.1	36.0	-3.1	10.6		
ENGINEERING, N.E.C. ....	1,750	1,931	2,030	1,992	2,037	10.3	5.1	-1.9	2.3		
PHYSICAL SCIENCES .....	21,422	21,443	21,787	21,913	21,651	-1	1.8	.6	-1.2		
ASTRONOMY .....	564	570	525	500	492	1.1	-7.9	4.8	-1.6		
CHEMISTRY .....	11,703	11,966	12,359	12,551	12,630	2.2	3.3	1.6	-6		
PHYSICS .....	9,012	8,796	8,808	8,768	8,429	-2.4	-1	-5	-3.9		
PHYSICAL SCIENCES, N.E.C. ....	143	111	95	94	100	-22.4	-14.4	-1.1	6.4		
ENVIRONMENTAL SCIENCES .....	8,227	8,698	9,321	9,615	9,724	5.7	7.2	3.2	1.1		
ATMOSPHERIC SCIENCES .....	847	892	888	874	824	5.3	-4.2	-1.6	-5.7		
GEOSCIENCES .....	5,260	5,615	6,022	6,192	6,276	6.7	7.2	2.8	1.4		
OCEANOGRAPHY .....	1,700	1,651	1,703	1,745	1,719	-2.9	3.1	2.5	4.5		
ENVIRONMENTAL SCIENCES, N.E.C. ....	420	540	508	804	905	28.6	31.1	13.6	12.6		
MATHEMATICAL SCIENCES .....	13,423	13,862	14,310	13,797	13,706	3.3	3.2	-3.6	-7		
COMPUTER SCIENCE .....	3,776	4,175	4,506	4,396	4,618	10.6	7.9	-2.4	5.1		
MATHEMATICS AND APPLIED MATHEMATICS .....	8,378	8,244	8,309	7,900	7,663	-1.6	.8	-4.9	-3.0		
STATISTICS .....	1,269	1,443	1,495	1,501	1,425	13.7	3.6	-4	-5.1		
LIFE SCIENCES .....	54,800	59,492	61,739	64,188	65,097	8.6	3.8	4.0	1.4		
AGRICULTURAL SCIENCES .....	8,493	9,497	10,165	10,429	10,231	14.8	7.0	2.6	-1.9		
BIOLOGICAL SCIENCES .....	32,408	34,749	35,205	35,805	35,580	7.2	1.3	1.7	-1.6		
ANATOMY .....	967	1,004	1,046	1,065	1,055	3.8	4.2	1.8	-1.9		
BIOCHEMISTRY .....	3,443	3,382	3,423	3,526	3,615	-1.8	1.2	3.0	-4.5		
BIOLOGY .....	7,602	8,877	8,880	8,798	8,325	16.8	0	-9	-3.4		
BIOLOGY/EPIDEMIOLOGY .....	559	589	522	657	733	5.4	-11.4	25.9	11.6		
BIOPHYSICS .....	646	708	667	620	562	9.6	-5.8	-7.0	-9.4		
BOTANY .....	2,318	2,311	2,456	2,585	2,555	-3	6.3	5.3	-1.2		
CELL BIOLOGY .....	462	541	504	552	610	17.1	-6.8	9.5	10.5		
ECOLOGY .....	512	656	724	816	884	28.1	10.4	12.7	3.4		
ENTOMOLOGY/PARASITOLOGY .....	1,187	1,373	1,410	1,377	1,475	15.7	2.7	-2.3	7.1		
GENETICS .....	736	757	765	884	855	2.9	1.1	15.6	-3.3		
MICROBIOLOGY .....	3,347	3,478	3,512	3,565	3,399	3.9	1.0	1.5	-4.7		
NUTRITION .....	2,143	2,155	2,327	2,606	2,691	.6	8.0	12.0	3.3		
PATHOLOGY .....	839	890	920	913	986	6.1	3.4	-8	8.0		
PHARMACOLOGY .....	1,307	1,517	1,586	1,635	1,751	16.1	4.5	3.1	7.1		
PHYSIOLOGY .....	1,981	2,085	1,971	1,956	1,944	5.2	-5.5	-8	-6		
ZOOLOGY .....	3,083	3,058	2,874	2,615	2,515	-8	-6.0	-9.0	-3.8		
BIOSCIENCES, N.E.C. ....	1,276	1,368	1,618	1,638	1,665	7.2	18.3	1.1	1.8		
HEALTH SCIENCES .....	13,899	15,246	16,369	17,954	19,286	9.7	7.4	9.7	7.4		
ANESTHESIOLOGY .....	59	55	5	3	7	-6.8	-90.9	-40.0	133.3		
CARDIOLOGY .....	43	22	0	3	3	-48.8	-100.0	0	0		
CLINICAL PHARMACOLOGY .....	1	3	24	5	6	200.0	700.0	-79.2	20.0		
DENTISTRY .....	859	1,123	1,043	1,072	1,069	30.7	-7.1	2.8	-3		
ENDOCRINOLOGY .....	28	42	33	31	33	50.0	-21.4	-6.1	6.5		
GASTROENTEROLOGY .....	46	11	8	8	5	-76.1	-27.3	0	-37.5		
HEMATOLOGY .....	22	3	3	5	8	-86.4	0	66.7	60.0		
NEUROLOGY .....	138	193	160	174	189	39.9	-17.1	8.7	8.6		
NURSING .....	2,305	2,734	3,787	5,220	5,557	18.6	38.5	37.8	6.5		
OBSTetrics/GYNECOLOGY .....	57	51	52	25	23	-10.5	2.0	-51.9	-8.0		
OPHTHALMOLOGY .....	41	25	8	9	2	-39.0	-68.0	12.5	-77.8		
OTORHINOLARYNGOLOGY .....	66	50	64	56	45	-24.2	28.0	-12.5	-19.6		
PEDIATRICS .....	119	111	117	88	82	-6.7	5.4	-26.5	-4.7		
PHARMACEUTICAL SCIENCES .....	1,370	1,473	1,416	1,575	1,560	7.5	-3.9	11.2	-1.0		
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	2,465	2,878	3,078	2,930	3,299	16.8	6.9	-4.8	12.6		
PSYCHIATRY .....	205	168	142	144	132	-18.0	-15.5	1.4	-8.3		
PULMONARY DISEASE .....	47	7	0	3	10	-85.1	-100.0	0	233.3		
RADIOLOGY .....	232	245	199	217	193	5.6	-18.8	9.0	-11.1		
SPEECH PATH/AUDIOLOGY .....	2,784	3,517	3,488	3,547	3,744	26.3	-8	1.7	5.6		
SURGERY .....	107	114	107	83	76	6.5	-6.1	-22.4	-8.4		
VETERINARY SCIENCES .....	506	529	598	675	627	4.5	13.0	12.9	-7.1		
CLINICAL MEDICINE, N.E.C. ....	970	406	374	547	524	-58.1	-7.9	46.3	-4.2		
HEALTH RELATED, N.E.C. ....	1,429	1,486	1,663	1,536	2,092	4.0	11.9	-7.6	36.2		
PSYCHOLOGY .....	18,728	19,704	21,546	21,296	20,677	5.2	9.3	-1.2	-2.9		
SOCIAL SCIENCES .....	45,624	51,242	49,749	50,819	49,604	12.3	-2.9	2.2	-2.4		
AGRICULTURAL ECONOMICS .....	1,612	1,925	1,973	1,986	2,022	19.4	2.5	.7	1.8		
ANTHROPOLOGY .....	4,597	4,833	4,891	4,923	4,524	5.1	1.2	.7	-8.1		
ECONOMICS (EXCEPT AGRICULTURAL) .....	6,893	8,262	7,595	7,944	8,068	19.9	-8.1	4.6	1.6		
GEOGRAPHY .....	2,001	2,154	2,206	2,076	2,018	7.6	2.4	-5.9	-2.8		
HISTORY AND PHILOSOPHY OF SCIENCE .....	247	259	270	257	241	4.9	4.2	-4.8	-6.2		
LINGUISTICS .....	2,589	3,054	3,153	2,926	2,726	18.0	3.2	-7.2	-6.8		
POLITICAL SCIENCE .....	10,987	12,804	11,992	12,243	11,826	16.5	-6.3	2.1	-3.4		
SOCIOLOGY .....	8,201	8,557	8,111	7,590	6,960	4.3	-5.2	-6.4	-8.3		
SOCIOLOGY/ANTHROPOLOGY .....	950	1,051	729	796	614	10.6	-30.6	9.2	-22.9		
SOCIAL SCIENCES, N.E.C. ....	7,547	8,343	8,829	10,078	10,605	10.5	5.8	14.1	5.2		

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-8. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	143,479	154,285	156,643	158,356	156,877	-7.5	1.5	1.1	-0.9
ENGINEERING .....	23,415	25,622	25,203	25,401	25,400	-9.4	-1.6	.8	-4
AERONAUTICAL .....	898	843	814	817	786	-6.1	-3.4	-4	-3.8
AGRICULTURAL .....	453	542	609	656	668	19.6	12.4	7.7	1.8
BIOMEDICAL .....	328	373	373	362	362	13.7	0	-2.9	0
CHEMICAL .....	2,359	2,533	2,547	2,779	2,781	7.4	-6	9.1	-1
CIVIL .....	4,378	4,726	4,541	4,654	4,763	7.9	+3.9	2.5	2.3
ELECTRICAL .....	5,038	5,507	5,402	5,562	5,351	9.3	-1.9	3.0	-3.8
ENGINEERING SCIENCE .....	1,148	1,345	1,331	1,143	1,095	17.2	-1.0	-14.1	-4.2
INDUSTRIAL .....	2,295	2,587	2,382	2,324	2,365	12.7	-7.9	-2.4	1.8
MECHANICAL .....	2,988	3,152	3,014	2,900	3,075	5.5	-4.4	-2.8	4.9
METALLURGICAL/MATERIALS .....	1,032	1,113	1,187	1,239	1,253	7.8	6.6	4.4	1.1
MINING .....	215	273	325	369	339	27.0	19.0	13.5	-8.1
NUCLEAR .....	827	975	966	911	875	17.9	-9	-5.7	-4.0
PETROLEUM .....	143	169	222	222	248	18.2	31.4	0	11.7
ENGINEERING, N.E.C. ....	1,313	1,484	1,490	1,433	1,439	13.0	-4	-3.8	-4
PHYSICAL SCIENCES .....	14,956	15,080	15,322	15,376	15,205	-8	1.6	-4	-1.1
ASTRONOMY .....	397	386	342	322	319	-2.8	-11.4	-5.8	-9
CHEMISTRY .....	8,509	8,697	9,035	9,157	9,207	2.2	3.9	1.4	-5
PHYSICS .....	5,937	5,904	5,877	5,834	5,617	-6	-5	-7	-3.7
PHYSICAL SCIENCES, N.E.C. ....	113	93	68	63	62	-17.7	-26.9	-7.4	-1.6
ENVIRONMENTAL SCIENCES .....	5,348	6,805	7,272	7,637	7,673	7.2	6.9	5.0	.5
ATMOSPHERIC SCIENCES .....	772	819	824	814	772	6.1	-6	-1.2	-5.2
GEOSCIENCES .....	4,007	4,317	4,690	4,870	4,945	7.7	8.6	3.8	1.5
OCEANOGRAPHY .....	1,258	1,238	1,294	1,351	1,296	-1.6	4.5	4.4	-4.1
ENVIRONMENTAL SCIENCES, N.E.C. ....	311	431	464	602	660	38.6	7.7	29.7	9.6
MATHEMATICAL SCIENCES .....	10,277	10,711	11,021	10,559	10,595	4.2	2.9	-4.2	-3
COMPUTER SCIENCE .....	3,044	3,375	3,682	3,518	3,707	10.9	9.1	-4.5	5.4
MATHEMATICS AND APPLIED MATHEMATICS .....	6,214	6,161	6,106	5,783	5,683	-9	-9	-5.3	-1.7
STATISTICS .....	1,019	1,175	1,233	1,258	1,205	15.3	4.9	2.0	-4.2
LIFE SCIENCES .....	43,441	47,444	49,318	50,908	51,140	9.2	3.9	3.2	.5
AGRICULTURAL SCIENCES .....	8,236	9,217	9,882	10,142	9,935	11.9	7.2	2.6	-2.0
BIOLOGICAL SCIENCES .....	24,250	26,015	26,451	26,949	26,667	7.6	1.4	1.9	-1.0
ANATOMY .....	631	616	711	720	704	7.6	4.7	1.3	-2.2
BIOCHEMISTRY .....	2,371	2,356	2,408	2,468	2,474	-5	2.1	2.5	-2
BIOLOGY .....	4,935	5,811	5,895	5,891	5,594	17.9	1.3	-1	-5.0
BIOMETRY/EPIDEMIOLOGY .....	365	423	364	469	535	15.9	-13.9	28.8	14.1
BIOPHYSICS .....	381	394	348	312	310	3.4	-11.7	-10.3	-6
BOTANY .....	2,146	2,137	2,285	2,404	2,354	-4	6.9	5.2	-2.1
CELL BIOLOGY .....	250	291	312	352	389	16.4	7.2	12.8	10.5
ECOLOGY .....	453	596	658	758	784	31.6	10.4	15.2	3.4
ENTOMOLOGY/PARASITOLOGY .....	1,118	1,300	1,347	1,320	1,406	16.3	3.6	-2.0	6.5
GENETICS .....	612	582	608	696	680	-4.9	4.5	14.5	-2.3
MICROBIOLOGY .....	2,656	2,749	2,699	2,716	2,557	3.5	-1.8	-6	-5.9
NUTRITION .....	1,707	1,701	1,817	2,024	2,076	-4	6.8	11.4	2.6
PATHOLOGY .....	529	591	577	594	646	11.7	-2.4	2.9	8.8
PHARMACOLOGY .....	888	1,063	1,067	1,060	1,124	19.7	-4	6.0	-7
PHYSIOLOGY .....	1,411	1,536	1,432	1,422	1,408	8.9	-6.8	-7	-1.0
ZOOLOGY .....	2,896	2,872	2,697	2,455	2,330	-8	-6.1	-9.0	-5.1
BIOSCIENCES, N.E.C. ....	901	996	1,226	1,288	1,296	10.5	23.1	5.1	.6
HEALTH SCIENCES .....	10,955	12,142	12,985	13,817	14,538	10.8	6.9	6.4	5.2
ANESTHESIOLOGY .....	12	14	5	2	3	16.7	-64.5	-60.0	50.0
CARDIOLOGY .....	20	20	0	2	2	0	-100.0	0	0
CLINICAL PHARMACOLOGY .....	1	3	24	5	3	200.0	700.0	-79.2	-40.0
DENTISTRY .....	503	690	698	740	731	37.2	1.2	6.0	-1.2
ENDOCRINOLOGY .....	25	41	32	31	30	64.0	-22.0	-3.1	-3.2
GASTROENTEROLOGY .....	38	11	8	8	5	-71.1	-27.3	0	-37.5
HEMATOLOGY .....	21	3	3	1	3	-85.7	0	-66.7	200.0
NEUROLOGY .....	49	58	51	72	80	18.4	-12.1	41.2	11.1
NURSING .....	2,111	2,447	3,048	3,758	4,092	15.9	24.6	23.3	8.9
OBSTETRICS/GYNECOLOGY .....	51	43	37	17	16	-15.7	-14.0	-54.1	-5.9
OPHTHALMOLOGY .....	22	6	3	7	1	-72.7	-50.0	133.3	-85.7
OTORHINOLARYNGOLOGY .....	44	36	48	31	30	-18.2	33.3	-35.4	-3.2
PEDIATRICS .....	93	95	104	67	64	2.2	9.5	-35.6	-4.5
PHARMACEUTICAL SCIENCES .....	1,191	1,248	1,278	1,378	1,364	4.5	2.4	7.8	-1.0
PREVENTIVE MEDICINE/ COMMUNITY HEALTH .....	2,004	2,443	2,257	2,528	11.4	9.5	-7.6	12.0	
PSYCHIATRY .....	100	54	76	74	-25.0	-28.0	40.7	2.6	
PULMONARY DISEASE .....	24	0	3	9	-79.2	-100.0	0	200.0	
RADIOLOGY .....	209	226	185	205	-183	8.1	-18.1	10.8	-10.7
SPEECH PATH/AUDIOLOGY .....	2,370	3,055	3,051	3,138	3,310	28.9	-1.1	2.9	5.5
SURGERY .....	97	94	76	61	63	-3.1	-19.1	-19.7	3.3
VETERINARY SCIENCES .....	467	471	545	612	565	2.6	13.8	12.3	7.7
CLINICAL MEDICINE, N.E.C. ....	538	265	238	114	294	-50.7	-10.2	31.9	-6.4
HEALTH RELATED, N.E.C. ....	962	996	1,054	1,044	1,044	3.5	5.8	-2.1	0
PSYCHOLOGY .....	12,965	13,365	13,901	13,498	12,999	3.1	4.6	-2.9	-3.7
SOCIAL SCIENCES .....	32,077	35,258	34,606	34,977	33,865	9.9	-1.8	1.1	-3.2
AGRICULTURAL ECONOMICS .....	1,472	1,807	1,856	1,871	1,897	22.8	2.7	4.8	4.4
ANTHROPOLOGY .....	3,216	3,922	3,585	3,586	3,278	6.4	4.8	0	-8.6
ECONOMICS (EXCEPT AGRICULTURAL) .....	4,343	5,034	4,927	4,924	4,935	15.9	-2.8	-1.1	-2
GEOGRAPHY .....	1,760	1,891	1,956	1,849	1,776	7.4	3.6	-5.5	-3.9
HISTORY AND PHILOSOPHY OF SCIENCE .....	140	127	135	135	132	-9.3	6.3	0	-2.2
LINGUISTICS .....	1,916	2,027	2,124	2,148	1,965	5.8	4.8	1.1	-8.5
POLITICAL SCIENCE .....	6,672	7,558	6,894	6,957	6,563	13.3	-8.8	0	-5.7
SOCIOLOGY .....	6,016	6,382	5,936	5,522	5,085	6.1	-7.0	-7.0	-7.9
SOCIOLOGY/ANTHROPOLOGY .....	638	785	455	51	386	23.0	-42.0	14.1	-25.6
SOCIAL SCIENCES, N.E.C. ....	5,904	6,225	6,738	7,466	7,848	5.4	8.2	10.0	5.1

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-9. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	52,436	57,268	58,223	60,069	60,711	9.2	1.7	3.2	1.1	
ENGINEERING .....	10,276	11,490	11,211	11,396	11,729	11.8	-2.4	1.7	2.9	
AERONAUTICAL	360	387	312	341	340	7.5	-19.4	9.3	-3	
AGRICULTURAL	35	35	32	36	40	0.0	-8.6	12.5	11.1	
BIOMEDICAL	340	385	346	320	348	13.2	-10.1	-6.6	7.7	
CHEMICAL	959	1,057	1,190	1,237	1,284	10.2	12.6	3.9	3.8	
CIVIL	1,488	1,665	1,541	1,566	1,613	25.3	-17.4	1.6	3.0	
ELECTRICAL	2,612	2,626	2,601	2,717	2,885	0.5	-1.0	4.5	6.2	
ENGINEERING SCIENCE	430	336	352	360	352	-21.9	4.8	2.3	-2.2	
INDUSTRIAL	1,310	1,915	1,654	1,527	1,499	46.2	-13.6	-7.7	-1.8	
MECHANICAL	1,225	1,272	1,455	1,540	1,527	3.8	14.4	5.8	-8	
METALLURGICAL/MATERIALS	662	8707	709	737	741	6.8	-4	4.7	5	
MINING	66	77	88	81	82	16.7	14.3	-8.0	1.2	
NUCLEAR	234	292	267	254	292	24.8	-8.6	-4.9	15.0	
PETROLEUM	118	89	129	118	128	-24.6	44.9	-8.5	8.5	
ENGINEERING, N.E.C.	437	447	540	559	598	2.3	20.8	3.5	7.0	
PHYSICAL SCIENCES .....	6,466	6,363	6,465	6,537	6,446	-1.6	1.6	1.1	-1.4	
ASTRONOMY	167	184	183	178	173	10.2	-5	-2.7	-2.8	
CHEMISTRY	3,194	3,269	3,324	3,394	3,423	2.3	1.7	2.1	-9	
PHYSICS	3,075	2,892	2,931	2,934	2,812	-7.6	1.3	1	-4.2	
PHYSICAL SCIENCES, N.E.C.	30	18	27	31	38	-40.0	50.0	14.8	22.6	
ENVIRONMENTAL SCIENCES .....	1,879	1,893	2,049	1,978	2,051	.7	8.2	-3.5	3.7	
ATMOSPHERIC SCIENCES	75	73	64	60	52	-2.7	-12.3	-6.3	-13.3	
GEOSCIENCES	1,253	1,298	1,332	1,322	1,331	3.6	2.6	-8	7	
OCEANOGRAPHY	442	413	409	394	423	-7.6	-1.0	-3.7	7.4	
ENVIRONMENTAL SCIENCES, N.E.C.	109	109	244	202	245	0	123.9	-17.2	21.3	
MATHEMATICAL SCIENCES .....	3,146	3,151	3,289	3,238	3,111	-2	4.4	-1.6	-3.9	
COMPUTER SCIENCE	732	800	824	878	911	9.2	3.0	6.6	3.8	
MATHEMATICS AND APPLIED MATHEMATICS	2,164	2,083	2,203	2,117	1,980	-3.7	5.8	-3.9	-6.5	
STATISTICS	250	268	262	243	220	7.2	-2.2	-7.3	-9.5	
LIFE SCIENCES .....	11,359	12,048	12,421	13,280	13,957	6.1	3.1	6.9	5.1	
AGRICULTURAL SCIENCES .....	257	280	283	287	296	8.9	1.1	1.4	3.1	
BIOLOGICAL SCIENCES .....	8,158	8,664	8,754	8,856	8,913	6.2	1.0	1.2	-6	
ANATOMY	336	325	335	345	351	-3.3	3.1	3.0	1.7	
BIOCHEMISTRY	1,072	1,024	1,015	1,058	1,141	-4.5	-9	4.2	7.8	
BIOLOGY	2,667	3,060	2,985	2,907	2,731	14.7	-2.5	-2.6	-6.1	
BIOMETRY/EPIDEMIOLOGY	194	166	158	188	198	-14.4	-4.8	19.0	5.3	
BIOPHYSICS	265	314	319	308	252	18.5	1.6	-3.4	-18.2	
BOTANY	172	174	171	181	201	1.2	-1.7	5.8	11.0	
CELL BIOLOGY	212	250	192	200	221	17.9	-23.2	4.2	10.5	
ECOLOGY	59	60	66	58	60	1.7	10.0	-12.1	3.4	
ENTOMOLOGY/PARASITOLOGY	69	73	63	57	69	5.8	-13.7	-9.5	21.1	
GENETICS	124	175	157	188	175	41.1	-10.3	19.7	-6.9	
MICROBIOLOGY	691	729	813	849	842	5.5	11.5	4.4	-8	
NUTRITION	436	454	510	582	615	4.1	12.3	14.1	5.7	
PATHOLOGY	310	299	343	319	340	-3.5	14.7	-7.0	6.6	
PHARMACOLOGY	419	454	519	575	627	8.4	14.3	10.8	9.0	
PHYSIOLOGY	570	549	539	534	536	-3.7	-1.8	-9	4	
ZOOLOGY	187	186	177	160	185	-5	-4.8	-9.6	15.6	
BIOSCIENCES, N.E.C.	375	372	392	347	369	-8	5.4	-11.5	6.3	
HEALTH SCIENCES .....	23,944	3,104	3,384	4,137	4,748	5.4	9.0	22.3	14.8	
ANESTHESIOLOGY	47	41	0	1	4	-12.8	-100.0	00	300.0	
CARDIOLOGY	23	2	0	1	1	-91.3	-100.0	00	00	
CLINICAL PHARMACOLOGY	0	0	0	0	3	00	00	00	00	
DENTISTRY	356	433	345	332	338	21.6	-20.3	-3.8	1.8	
ENDOCRINOLOGY	3	1	1	0	3	-66.7	0	-100.0	00	
GASTROENTEROLOGY	8	0	0	0	0	-100.0	00	00	00	
HEMATOLOGY	1	0	0	4	5	-100.0	00	00	25.0	
NEUROLOGY	89	135	109	102	109	51.7	-19.3	-6.4	6.9	
NURSING	194	287	739	1,462	1,465	47.9	157.5	97.8	0.2	
OBSTETRICS/GYNECOLOGY	6	8	15	8	7	33.3	87.5	-46.7	-12.5	
OPHTHALMOLOGY	19	19	5	2	1	0	-73.7	-60.0	-50.0	
OTORHINOLARYNGOLOGY	22	14	16	25	15	-36.4	14.3	56.3	-40.0	
PEDIATRICS	26	16	13	19	18	-38.5	-18.8	46.2	-5.3	
PHARMACEUTICAL SCIENCES	176	225	138	197	196	27.8	-38.7	42.8	-5	
PREVENTIVE MEDICINE/COMMUNITY HEALTH	461	646	635	673	771	40.1	-1.7	6.0	14.6	
PSYCHIATRY	105	93	88	68	54	-11.4	-5.4	-22.7	-20.6	
PULMONARY DISEASE	23	2	0	0	1	-91.3	-100.0	00	00	
RADIOLOGY	23	19	14	12	10	-17.4	-26.3	-14.3	-16.7	
SPEECH PATH/AUDIOLOGY	414	462	437	409	434	11.6	-5.4	-6.4	6.1	
SURGERY	10	20	31	22	13	100.0	55.0	-29.0	-40.9	
VETERINARY SCIENCES	9	50	53	63	62	28.2	6.0	18.9	-1.6	
CLINICAL MEDICINE, N.E.C.	492	191	136	233	230	-67.4	-3.5	71.3	-1.3	
HEALTH RELATED, N.E.C.	467	490	609	904	1,008	4.9	-24.3	-17	1,00.0	
PSYCHOLOGY .....	5,763	6,339	7,645	7,798	7,678	10.0	20.0	2.0	-1.5	
SOCIAL SCIENCES .....	13,547	15,984	15,143	15,842	15,739	18.0	-5.3	4.6	-7	
AGRICULTURAL ECONOMICS	140	118	117	115	125	-15.7	-8	-1.7	8.7	
ANTHROPOLOGY	1,381	1,411	1,306	1,337	1,246	2.2	-7.4	2.4	-6.8	
ECONOMICS (EXCEPT AGRICULTURAL)	2,550	3,228	2,668	3,020	3,133	26.6	-17.3	13.2	3.7	
GEOGRAPHY	241	263	250	227	242	9.1	-4.9	-9.2	6.6	
HISTORY AND PHILOSOPHY OF SCIENCE	107	132	135	122	109	23.4	2.3	-9.6	-10.7	
LINGUISTICS	673	1,027	1,029	778	761	52.6	0.2	-24.4	-2.2	
POLITICAL SCIENCE	4,315	5,246	5,098	5,286	5,263	21.6	-2.8	3.7	-4	
SOCIOLOGY	2,185	2,175	2,175	2,068	1,875	-5	0	-4.9	-9.3	
SOCIOLOGY/ANTHROPOLOGY	312	266	274	277	228	-14.7	3.0	1.1	-17.7	
SOCIAL SCIENCES, N.E.C.	1,643	2,118	2,091	2,612	2,757	28.9	-1.3	24.9	5.6	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-10. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	73,774	79,697	78,500	80,548	74,696	8.0	-1.5	2.6	-7.3
ENGINEERING .....	14,683	16,499	15,833	15,837	14,601	12.4	-4.0	0	-7.8
AERONAUTICAL .....	432	479	396	408	411	10.9	-17.3	3.0	-7
AGRICULTURAL .....	203	259	265	278	248	27.6	2.3	4.9	-10.8
BIO MEDICAL .....	276	260	276	241	256	-5.8	6.2	-12.7	6.2
CHEMICAL .....	1,270	1,432	1,570	1,707	1,525	12.8	9.6	8.7	-10.7
CIVIL .....	3,104	3,281	3,056	3,112	2,695	5.7	-6.9	1.8	-13.4
ELECTRICAL .....	3,335	3,623	3,413	3,512	3,288	8.6	-5.8	2.9	-6.4
ENGINEERING SCIENCE .....	551	517	577	476	421	-6.2	11.6	-17.5	-11.6
INDUSTRIAL .....	1,997	2,265	1,929	1,919	1,777	41.8	-14.8	-5	-7.4
MECHANICAL .....	1,848	2,064	2,027	2,023	1,914	11.7	-1.8	-2	-5.4
METALLURGICAL/MATERIALS .....	532	575	562	593	590	8.1	-2.3	5.5	-5
MINING .....	119	164	192	175	139	37.8	17.1	-8.9	-20.6
NUCLEAR .....	469	565	415	390	374	20.5	-26.5	-6.0	-4.1
PETROLEUM .....	98	104	184	142	124	6.1	76.9	-22.8	-12.7
ENGINEERING, N.E.C. ....	849	911	971	861	839	7.3	6.6	-11.3	-2.6
PHYSICAL SCIENCES .....	5,859	6,027	6,106	6,205	5,776	2.9	-1.3	1.6	-6.9
ASTRONOMY .....	125	117	102	123	106	-6.4	-12.8	20.6	-13.8
CHEMISTRY .....	3,313	3,555	3,677	3,721	3,500	7.3	3.4	1.2	-5.9
PHYSICS .....	2,343	2,302	2,287	2,328	2,118	-1.7	-7.7	1.8	-9.0
PHYSICAL SCIENCES, N.E.C. ....	78	53	40	33	52	-32.1	-24.5	-17.5	57.6
ENVIRONMENTAL SCIENCES .....	2,839	3,110	3,223	3,272	3,110	9.5	3.6	1.5	-5.0
ATMOSPHERIC SCIENCES .....	308	324	288	310	268	8.0	-11.1	7.6	-13.5
GEOSCIENCES .....	1,818	2,038	2,123	2,127	1,959	12.1	4.2	-2	-7.9
OCEANOGRAPHY .....	512	464	473	465	471	-9.4	1.9	-1.7	1.3
ENVIRONMENTAL SCIENCES, N.E.C. ....	209	284	339	370	412	35.9	-19.4	9.1	11.4
MATHEMATICAL SCIENCES .....	4,978	5,336	5,132	5,148	4,828	7.2	-3.8	.3	-6.2
COMPUTER SCIENCE .....	1,530	1,893	1,765	1,845	1,806	23.7	-6.8	4.5	-2.1
MATHEMATICS AND APPLIED MATHEMATICS .....	3,004	2,914	2,874	2,828	2,594	-3.0	-1.4	-1.6	-8.3
STATISTICS .....	444	529	493	475	428	19.1	-6.8	-3.7	-9.9
LIFE SCIENCES .....	21,807	23,119	23,364	24,065	22,619	6.0	1.1	3.0	-6.0
AGRICULTURAL SCIENCES .....	3,508	3,904	4,068	3,983	3,397	11.3	-4.2	-2.1	-14.7
BIOLOGICAL SCIENCES .....	10,653	11,397	10,932	10,793	9,927	7.0	-4.1	-1.3	-8.0
ANATOMY .....	308	293	291	271	240	-4.9	-7	-6.9	-11.4
BIOCHEMISTRY .....	956	950	903	902	845	-6	-4.9	-1	-6.3
BIOLOGY .....	2,677	3,182	3,078	2,963	2,470	18.9	-3.3	-3.7	-16.6
BIMETRY/EPIDEMIOLGY .....	229	218	191	211	265	-4.8	-12.4	10.5	25.6
BIOPHYSICS .....	169	169	137	127	105	6.3	-18.9	-7.3	-17.3
BOTANY .....	710	687	764	732	662	-3.2	11.2	-4.2	-9.6
CELL BIOLOGY .....	101	173	123	151	155	71.3	-28.9	22.8	2.6
ECOLOGY .....	160	210	182	181	187	31.3	-13.3	-5	3.3
ENTOMOLOGY/PARASITOLOGY .....	321	484	414	399	388	51.7	-15.0	-3.6	-2.8
GENETICS .....	802	224	218	252	214	10.9	-2.7	15.6	-15.1
MICROBIOLOGY .....	1,137	1,099	1,091	1,024	866	-3.3	-5.3	-1.6	-15.4
NUTRITION .....	918	908	907	1,078	1,028	-1.1	.1	18.9	-4.6
PATHOLOGY .....	285	273	281	259	269	-4.2	2.9	-7.8	3.9
PHARMACOLOGY .....	433	467	441	408	422	7.9	-5.6	-7.5	3.4
PHYSIOLOGY .....	668	642	531	548	533	-3.9	-17.3	3.2	-2.7
ZOOLOGY .....	964	878	829	695	732	-8.9	-5.6	-16.2	5.3
BIO SCIENCES, N.E.C. ....	425	537	601	592	546	26.4	11.9	-1.5	-7.8
HEALTH SCIENCES .....	7,646	7,818	8,364	9,289	9,295	2.2	7.0	11.1	1
ANESTHESIOLOGY .....	32	19	1	3	4	-40.6	-94.7	200.0	33.3
CARDIOLOGY .....	17	12	0	1	0	-29.4	-100.0	0	-100.0
CLINICAL PHARMACOLOGY .....	0	3	7	4	1	0	133.3	-42.9	-75.0
DENTISTRY .....	384	476	446	489	464	24.0	-6.3	.7	3.3
ENDOCRINOLOGY .....	8	13	9	8	14.3	62.5	-30.8	-11.1	-100.0
GASTROENTEROLOGY .....	6	4	4	0	0	-66.7	-33.3	0	-100.0
HEMATOLOGY .....	3	1	0	2	-50.0	-66.7	-100.0	0	0
NEUROLOGY .....	33	41	31	44	40	-24.2	-24.4	41.9	-9.1
NURSING .....	1,574	1,571	2,337	3,126	2,996	-2.2	48.8	33.8	-4.2
OBSTETRICS/GYNECOLOGY .....	22	21	22	11	8	-4.5	4.8	-50.0	-27.3
OPHTHALMOLOGY .....	17	6	2	1	1	-64.7	-66.7	-50.0	0
OTORHINOLARYNGOLOGY .....	11	12	22	21	13	9.1	83.3	-4.5	-38.1
PEDIATRICS .....	56	66	88	60	47	-87.9	33.3	-31.8	-21.7
PHARMACEUTICAL SCIENCES .....	516	518	477	564	485	-4	-7.9	18.2	-14.0
PREVENTIVE MEDICINE/									
COMMUNITY HEALTH .....	1,484	4,760	1,808	1,706	1,831	18.6	2.7	-5.6	7.3
PSYCHIATRY .....	65	51	42	29	30	-21.5	-17.6	-31.0	3.4
PULMONARY DISEASE .....	32	3	0	2	4	-90.6	-100.0	0	100.0
RADIOLOGY .....	101	100	81	79	51	-1.0	-19.0	2.5	-35.4
SPEECH PATH/AUDIOLOGY .....	1,791	1,975	1,802	1,821	1,729	10.3	-8.8	1.1	-5.1
SURGERY .....	42	32	34	20	14	-23.8	6.3	-41.2	-30.0
VETERINARY SCIENCES .....	183	196	249	254	196	7.1	27.0	2.0	-22.8
CLINICAL MEDICINE, N.E.C. ....	475	179	177	257	251	-62.3	-1.1	45.2	-2.3
HEALTH RELATED, N.E.C. ....	780	760	720	824	1,120	-2.6	-5.3	14.4	35.9
PSYCHOLOGY .....	5,877	5,794	6,066	6,072	5,529	-1.4	4.7	.1	-8.9
SOCIAL SCIENCES .....	17,731	19,812	18,776	19,949	18,233	11.7	-5.2	6.2	-8.6
AGRICULTURAL ECONOMICS .....	622	718	735	761	698	15.4	2.4	3.5	-8.3
ANTHROPOLOGY .....	1,361	1,266	1,334	1,326	1,137	-7.0	5.4	-6	-14.3
ECONOMICS (EXCEPT AGRICULTURAL) .....	2,574	3,097	2,796	2,894	2,810	20.3	-9.7	3.5	-2.9
GEOGRAPHY .....	728	816	821	787	681	12.1	-6	-4.1	-13.5
HISTORY AND PHILOSOPHY OF SCIENCE .....	74	62	73	60	53	-16.2	-17.7	-17.8	-11.7
LINGUISTICS .....	1,142	1,275	1,329	1,162	947	11.6	4.2	-12.6	-18.5
POLITICAL SCIENCE .....	4,563	5,309	4,847	5,337	4,524	16.3	-8.7	10.1	-15.2
SOCIOLOGY .....	2,871	2,948	2,628	2,589	2,283	2.7	-10.9	-1.5	-11.8
SOCIOLOGY/ANTHROPOLOGY .....	366	411	275	289	218	12.3	-33.1	5.1	-24.6
SOCIAL SCIENCES, N.E.C. ....	3,430	3,910	3,938	4,744	4,882	14.0	.7	20.5	2.9

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-11. FULL-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	122,141	131,856	136,366	137,877	142,892	8.0	3.4	1.1	3.6	
ENGINEERING .....	19,008	20,613	20,581	20,960	22,528	-8.4	-2.2	1.8	7.5	
AERONAUTICAL .....	826	751	730	750	715	-9.1	-2.8	2.7	-4.7	
AGRICULTURAL .....	285	318	376	414	460	11.6	18.2	10.1	11.4	
BIOMEDICAL .....	392	498	443	444	454	27.0	41.0	-2.4	2.3	
CHEMICAL .....	2,048	2,158	2,167	2,309	2,540	5.4	-4.4	6.6	10.0	
CIVIL .....	2,762	3,310	3,026	3,108	3,681	19.8	-8.6	2.7	18.4	
ELECTRICAL .....	4,315	4,510	4,590	4,767	4,948	4.5	1.8	3.9	3.8	
ENGINEERING SCIENCE .....	1,027	1,164	1,106	1,027	1,026	-13.3	-5.0	-7.1	-1.1	
INDUSTRIAL .....	2,008	2,237	2,107	1,932	2,087	11.4	-5.8	-8.3	8.0	
MECHANICAL .....	2,365	2,360	2,442	2,447	2,688	-2.1	8.3	-2.1	9.8	
METALLURGICAL/MATERIALS .....	1,162	1,245	1,329	1,383	1,404	7.1	6.7	4.1	1.5	
MINING .....	162	186	221	275	282	14.8	18.8	24.4	2.5	
NUCLEAR .....	592	702	818	775	793	18.6	16.5	-5.3	2.3	
PETROLEUM .....	163	154	167	198	252	-5.5	8.4	18.6	27.3	
ENGINEERING, N.E.C. ....	901	1,020	1,059	1,131	1,198	13.2	6.8	6.8	5.9	
PHYSICAL SCIENCES .....	15,563	15,416	15,681	15,708	15,875	-0.9	1.7	-0.2	1.1	
ASTRONOMY .....	439	453	423	377	386	3.2	-6.6	-10.9	2.4	
CHEMISTRY .....	8,390	8,411	8,682	8,830	9,130	-3	3.2	1.7	3.4	
PHYSICS .....	6,669	6,494	6,521	6,440	6,311	-2.6	-14	-1.2	-2.0	
PHYSICAL SCIENCES, N.E.C. ....	65	58	55	61	48	-10.8	-5.2	10.9	-21.3	
ENVIRONMENTAL SCIENCES .....	5,388	5,588	6,098	6,343	6,614	3.7	9.1	4.0	4.3	
ATMOSPHERIC SCIENCES .....	547	568	600	564	556	3.8	5.6	-6.0	1.4	
GEOSCIENCES .....	3,442	3,577	3,899	4,065	4,317	3.9	9.0	4.3	6.2	
OCEANOGRAPHY .....	1,188	1,187	1,230	1,280	1,248	-1	3.6	4.1	-2.5	
ENVIRONMENTAL SCIENCES, N.E.C. ....	211	250	369	434	493	21.3	44.1	17.6	13.6	
MATHEMATICAL SCIENCES .....	8,445	8,526	9,178	8,649	8,878	1.0	7.6	-5.8	2.6	
COMPUTER SCIENCE .....	2,246	2,282	2,741	2,551	2,812	1.6	20.1	-6.9	10.2	
MATHEMATICS AND APPLIED MATHEMATICS .....	5,374	5,330	5,435	5,072	5,069	-8	2.0	-6.7	-1	
STATISTICS .....	825	914	1,002	1,026	997	10.8	9.6	-2.4	-2.8	
LIFE SCIENCES .....	32,993	36,373	38,375	40,123	42,478	10.2	5.5	4.6	5.9	
AGRICULTURAL SCIENCES .....	4,985	5,593	6,097	6,446	6,834	12.2	9.0	5.7	6.0	
BIOLOGICAL SCIENCES .....	21,755	23,352	24,273	25,012	25,653	7.3	3.9	3.0	2.6	
ANATOMY .....	659	711	755	794	815	7.9	6.2	5.2	2.6	
BIOCHEMISTRY .....	2,487	2,432	2,520	2,624	2,770	-2.2	3.6	4.1	5.6	
BIOLOGY .....	9,925	5,695	5,802	5,835	5,855	15.6	1.9	-6	1.3	
BIOMETRY/EPIDEMIOLOGY .....	330	371	331	446	468	12.4	-10.8	34.7	4.9	
BIOPHYSICS .....	487	539	530	493	457	10.7	-1.7	-7.0	-7.3	
BOTANY .....	1,608	1,624	1,692	1,653	1,893	1.0	4.2	9.5	2.2	
CELL BIOLOGY .....	361	368	381	401	455	1.9	3.5	5.2	13.5	
ECOLOGY .....	352	446	542	635	657	26.7	21.5	17.2	3.5	
ENTOMOLOGY/PARASITOLOGY .....	866	886	996	78	1,087	2.3	12.4	-1.8	11.1	
GENETICS .....	534	533	547	632	641	-2	2.6	15.5	1.4	
MICROBIOLOGY .....	2,210	2,379	2,471	2,541	2,533	7.6	3.9	2.8	-3	
NUTRITION .....	1,225	1,247	1,620	1,528	1,663	1.8	13.9	7.6	8.8	
PATHOLOGY .....	554	617	639	654	717	14.8	3.6	2.3	9.6	
PHARMACOLOGY .....	874	1,050	1,145	1,227	1,329	20.4	9.0	7.2	8.3	
PHYSIOLOGY .....	1,313	1,443	1,740	1,408	1,411	-9.3	-2	-2.2	-2	
ZOOLOGY .....	2,119	2,180	2,045	1,920	1,783	2.9	-6.2	-6.1	-7.1	
BIOSCIENCES, N.E.C. ....	851	831	1,017	1,043	1,119	-2.4	22.4	2.6	7.3	
HEALTH SCIENCES .....	6,253	7,428	8,003	8,665	9,991	18.8	7.8	8.2	15.3	
ANESTHESIOLOGY .....	27	36	44	50	53	33.3	-88.9	-100.0	44	
CARDIOLOGY .....	26	10	0	2	3	-63.5	-100.0	44	50.0	
CLINICAL PHARMACOLOGY .....	1	0	17	1	5	-100.0	44	-94.1	400.0	
DENTISTRY .....	475	647	597	623	605	36.2	-7.7	4.4	-2.9	
ENDOCRINOLOGY .....	21	34	20	22	25	61.9	-41.2	10.0	13.6	
GASTROENTEROLOGY .....	28	5	4	4	5	-82.1	-20.0	0	25.0	
HEMATOLOGY .....	16	0	2	5	6	-100.0	44	150.0	20.0	
NEUROLOGY .....	105	152	129	130	149	44.8	-25.1	.8	14.6	
NURSING .....	731	1,163	1,950	2,094	2,561	59.1	24.7	44.4	22.3	
OBSTETRICS/GYNECOLOGY .....	35	30	30	14	15	-14.3	0	-53.3	7.1	
OPHTHALMOLOGY .....	24	19	6	8	1	-20.6	-68.4	33.3	-87.5	
OTORHINOLARYNGOLOGY .....	55	38	42	35	32	-30.9	10.5	-16.7	-8.6	
PEDIATRICS .....	63	45	29	26	35	-28.6	-135.6	-10.3	34.6	
PHARMACEUTICAL SCIENCES .....	854	955	939	1,011	1,075	11.8	-1.7	7.7	4.3	
PREVENTIVE MEDICINE/ COMMUNITY HEALTH .....	981	1,118	1,270	1,224	1,468	14.0	13.6	-3.6	19.9	
PSYCHIATRY .....	140	117	100	115	102	-16.4	-14.5	15.0	-11.3	
PULMONARY DISEASE .....	15	4	0	1	6	-73.3	-100.0	44	500.0	
RADIOLOGY .....	131	145	118	138	142	10.7	-48.6	16.9	2.9	
SPEECH PATH/AUDIOLOGY .....	993	1,542	1,686	1,726	2,015	55.3	9.3	2.4	16.7	
SURGERY .....	65	82	73	63	62	26.2	-11.0	-13.7	-1.6	
VETERINARY SCIENCES .....	323	333	349	421	431	3.1	4.8	20.6	2.4	
CLINICAL MEDICINE, N.E.C. ....	495	227	197	290	273	-54.1	-13.2	47.2	-5.9	
HEALTH RELATED, N.E.C. ....	649	726	943	712	972	11.9	-29.9	-24.5	36.5	
PSYCHOLOGY .....	12,851	13,910	15,480	15,224	15,148	8.2	11.3	-1.7	-5	
SOCIAL SCIENCES .....	27,893	31,430	30,973	30,870	31,371	-12.7	-1.5	-3	1.6	
AGRICULTURAL ECONOMICS .....	990	1,207	1,238	1,225	1,324	21.9	2.6	-1.1	8.1	
ANTHROPOLOGY .....	3,236	3,567	3,557	3,597	3,387	10.2	-3	1.1	-5.8	
ECONOMICS (EXCEPT AGRICULTURAL) .....	4,319	5,165	4,799	5,050	5,258	19.6	-7.1	5.2	4.1	
GEOGRAPHY .....	1,273	1,338	1,385	1,289	1,337	5.1	3.5	-6.9	3.7	
HISTORY AND PHILOSOPHY OF SCIENCE .....	173	197	197	197	188	13.9	0	0	-9.6	
LINGUISTICS .....	1,447	1,779	1,824	1,764	1,779	22.9	2.5	-3.3	.9	
POLITICAL SCIENCE .....	6,424	7,495	7,145	6,906	7,302	16.7	-4.7	-3.3	5.7	
SOCIOLOGY .....	5,330	5,609	5,483	5,001	4,677	5.2	-2.2	-8.8	-6.5	
SOCIOLOGY/ANTHROPOLOGY .....	584	640	454	507	396	9.6	-29.1	11.7	-21.9	
SOCIAL SCIENCES, N.E.C. ....	4,117	4,433	4,891	5,334	5,723	7.7	10.3	9.1	7.3	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-12. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE, 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	48,016	48,304	48,642	50,530	51,373	0.6	0.7	3.9	1.7
ENGINEERING .....	10,164	10,245	10,482	10,667	10,625	-0.8	2.3	1.8	-0.4
AERONAUTICAL .....	666	600	519	584	490	-9.9	-13.5	12.5	-16.1
AGRICULTURAL .....	109	135	101	162	160	23.9	-25.2	60.4	-1.2
BIOMEDICAL .....	271	286	268	212	231	5.5	-6.3	-20.9	9.0
CHEMICAL .....	895	4,071	1,138	1,212	1,220	19.7	6.3	6.5	-0.7
CIVIL .....	1,762	1,629	1,583	1,492	1,523	-7.5	-2.8	-5.7	2.1
ELECTRICAL .....	2,260	2,258	2,221	2,376	2,365	-0.1	-1.6	7.0	-4.5
ENGINEERING SCIENCE .....	758	697	658	534	493	-8.0	-5.6	-18.8	-7.7
INDUSTRIAL .....	876	700	748	775	776	-20.1	6.9	3.6	-0.1
MECHANICAL .....	1,116	1,216	1,341	1,326	1,333	-9.0	10.3	-1.1	-0.5
METALLURGICAL/MATERIALS .....	815	867	962	979	1,021	6.4	11.0	1.8	4.3
MINING .....	91	135	195	223	200	48.4	44.4	14.4	-10.3
NUCLEAR .....	290	349	359	324	387	20.3	2.9	-9.7	19.4
PETROLEUM .....	24	43	64	84	67	79.2	48.8	31.3	-20.2
ENGINEERING, N.E.C. .....	231	259	325	384	359	12.1	25.5	18.2	-6.5
PHYSICAL SCIENCES .....	6,230	6,300	6,455	6,631	7,012	-1.1	2.5	2.7	5.7
ASTRONOMY .....	214	203	211	188	211	-5.1	3.9	-10.9	12.2
CHEMISTRY .....	2,849	3,049	3,205	3,323	3,613	7.7	4.4	3.7	-8.7
PHYSICS .....	3,148	2,999	3,029	3,100	3,177	-4.7	1.0	2.3	2.5
PHYSICAL SCIENCES, N.E.C. ....	22	29	10	20	11	31.8	-65.5	100.0	-45.0
ENVIRONMENTAL SCIENCES .....	2,635	2,673	2,876	3,045	3,111	1.4	7.6	5.9	2.2
ATMOSPHERIC SCIENCES .....	524	528	578	590	547	-8.9	29.5	2.1	-7.3
GEOSCIENCES .....	1,136	1,211	1,375	1,521	1,564	6.6	23.5	10.6	2.8
OCEANOGRAPHY .....	804	811	780	769	828	-9	73.8	-1.4	7.7
ENVIRONMENTAL SCIENCES, N.E.C. ....	171	123	143	165	172	-28.1	16.3	15.4	4.2
MATHEMATICAL SCIENCES .....	1,393	1,285	1,293	1,285	1,307	-7.8	-0.8	-0.6	1.7
COMPUTER SCIENCE .....	705	732	704	705	735	3.8	-3.0	.1	4.3
MATHEMATICS AND APPLIED MATHEMATICS .....	466	385	407	378	394	-17.4	5.7	-7.1	4.2
STATISTICS .....	222	168	182	202	178	-24.3	8.3	11.0	-11.9
LIFE SCIENCES .....	16,757	17,631	17,763	18,944	19,659	5.2	-7	6.6	3.8
AGRICULTURAL SCIENCES .....	1,699	1,783	1,755	1,767	1,828	4.9	-1.6	.7	3.5
BIOLOGICAL SCIENCES .....	9,850	10,137	9,932	10,110	10,341	2.9	-2.0	1.8	2.1
ANATOMY .....	339	314	275	269	281	-7.4	-12.4	-2.2	4.5
BIOCHEMISTRY .....	1,769	1,598	1,628	1,723	1,672	-9.7	1.9	5.8	-3.0
BIOLOGY .....	1,332	1,521	1,569	1,564	1,686	14.2	3.2	-3	7.8
BIOMETRY/EPIDEMIOLOGY .....	283	298	246	278	334	5.3	-17.4	13.0	20.1
BIOPHYSICS .....	380	398	383	357	324	4.7	-3.8	-6.8	-9.2
BOTANY .....	323	344	381	441	462	6.5	10.8	15.7	4.8
CELL BIOLOGY .....	237	249	213	306	357	5.1	-14.5	63.7	16.7
ECOLOGY .....	107	126	152	142	199	17.8	20.6	-6.6	40.1
ENTOMOLOGY/PARASITOLOGY .....	331	337	315	298	268	1.8	-6.5	-5.4	-10.1
GENETICS .....	330	394	329	398	384	19.4	-16.5	21.0	-3.5
MICROBIOLOGY .....	1,190	1,276	1,238	1,202	1,223	7.2	-3.0	-2.9	1.7
NUTRITION .....	606	554	559	591	552	-8.6	.9	5.7	-6.6
PATHOLOGY .....	398	370	343	290	269	-7.0	-7.3	-15.5	-7.2
PHARMACOLOGY .....	655	757	767	743	787	45.6	1.3	-3.1	5.9
PHYSIOLOGY .....	741	714	631	665	646	-3.6	-11.6	5.4	-2.9
ZOOLOGY .....	466	488	445	396	391	-4.7	-8.8	-11.0	-1.3
BIOSCIENCES, N.E.C. ....	363	399	458	447	506	9.9	14.8	-2.4	-13.2
HEALTH SCIENCES .....	5,208	5,711	6,076	7,067	7,490	9.7	6.4	16.3	6.0
ANESTHESIOLOGY .....	13	5	2	0	0	-61.5	-60.0	-100.0	0
CARDIOLOGY .....	22	19	0	2	2	-13.6	-100.0	0	0
CLINICAL PHARMACOLOGY .....	1	2	19	4	4	100.0	850.0	-78.9	0
DENTISTRY .....	113	161	139	135	157	42.5	-13.7	-2.9	16.3
ENDOCRINOLOGY .....	8	17	12	10	12	112.5	-29.4	-16.7	20.0
GASTROENTEROLOGY .....	25	8	6	5	1	-68.0	-25.0	-16.7	-80.0
HEMATOLOGY .....	15	0	0	7	1	-100.0	0	0	0
NEUROLOGY .....	60	109	83	90	103	81.7	-23.9	8.4	14.4
NURSING .....	1,413	1,896	2,650	3,618	3,674	34.2	39.8	30.5	1.5
OBSTETRICS/GYNECOLOGY .....	31	42	23	17	12	-32.3	9.5	-26.1	-29.4
OPHTHALMOLOGY .....	17	10	6	6	1	-61.2	-40.0	0	-83.3
OTORHINOLARYNGOLOGY .....	42	28	26	14	9	-33.3	-7.1	-46.2	-35.7
PEDIATRICS .....	86	62	62	43	41	-27.9	0	-30.6	-4.7
PHARMACEUTICAL SCIENCES .....	294	318	305	334	291	8.2	-4.1	9.5	-12.9
PREVENTIVE MEDICINE/ COMMUNITY HEALTH .....	1,119	1,347	1,302	1,187	1,433	20.4	-3.3	-8.8	20.7
PSYCHIATRY .....	116	52	29	29	26	-55.2	-44.2	0	-10.3
PULMONARY DISEASE .....	25	5	0	0	0	-80.0	-100.0	0	0
RADIOLOGY .....	111	106	82	83	66	-4.5	-22.6	1.2	-20.5
SPEECH PATH/AUDIOLOGY .....	727	749	696	772	713	3.0	-7.1	10.9	-7.6
SURGERY .....	38	31	29	18	7	-18.4	-6.5	-37.9	-61.1
VETERINARY SCIENCES .....	123	132	113	126	119	7.3	-14.4	11.5	-8.6
CLINICAL MEDICINE, N.E.C. ....	399	120	67	121	97	-69.4	-44.2	80.6	-19.8
HEALTH RELATED, N.E.C. ....	410	513	425	453	721	25.1	-17.2	6.6	-59.2
PSYCHOLOGY .....	4,404	4,317	4,071	3,961	3,943	-2.0	-5.7	-2.7	-5
SOCIAL SCIENCES .....	6,430	5,853	5,702	5,997	5,716	-9.0	-2.6	5.2	-4.7
AGRICULTURAL ECONOMICS .....	419	463	424	495	507	10.5	-8.4	16.7	2.4
ANTHROPOLOGY .....	638	626	582	548	512	-1.9	-7.0	-5.8	-6.6
ECONOMICS (EXCEPT AGRICULTURAL) .....	694	681	530	592	499	-9.1	-16.0	11.7	-15.7
GEOGRAPHY .....	186	151	176	165	152	-18.8	16.6	-6.3	-7.9
HISTORY AND PHILOSOPHY OF SCIENCE .....	10	15	18	14	8	50.0	20.0	-22.2	-42.9
LINGUISTICS .....	356	258	292	270	224	-27.5	13.2	-7.5	-17.0
POLITICAL SCIENCE .....	936	748	860	1,158	1,156	-20.1	15.0	34.7	-2
SOCIOLOGY .....	1,368	1,243	1,113	948	924	-9.1	-10.5	-14.8	-2.5
SOCIOLOGY/ANTHROPOLOGY .....	122	115	83	79	50	-5.7	-27.8	-6.8	-36.7
SOCIAL SCIENCES, N.E.C. ....	1,701	1,603	1,624	1,728	1,684	-5.8	1.3	6.4	-2.5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-13. FULL-TIME GRADUATE STUDENTS SUPPORTED BY INSTITUTIONAL SOURCES 1/ IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	75,411	77,369	79,582	80,845	80,123	2.6	2.9	1.6	-0.9	
ENGINEERING .....	10,062	10,247	10,473	10,586	10,496	1.8	2.2	1.1	-0.9	
AERONAUTICAL .....	342	317	319	271	328	-7.3	-6	-15.0	21.0	
AGRICULTURAL .....	212	247	252	238	259	16.5	2.0	-5.6	8.8	
BIOMEDICAL .....	146	169	163	178	167	15.8	-3.6	9.2	-6.2	
CHEMICAL .....	1,117	1,061	1,161	1,222	1,296	-5.0	9.4	5.3	6.1	
CIVIL .....	1,503	1,715	1,763	1,904	1,822	14.1	2.8	8.0	4.3	
ELECTRICAL .....	2,280	2,453	2,428	2,300	2,308	7.6	-1.0	-5.3	.3	
ENGINEERING SCIENCE .....	456	472	549	551	547	3.5	16.3	-4	-7	
INDUSTRIAL .....	1,819	1,009	1,044	895	937	-1.0	3.5	-4.7	-5.8	
MECHANICAL .....	1,480	1,314	1,404	1,422	1,442	-11.2	6.8	1.3	1.4	
METALLURGICAL/MATERIALS .....	400	438	366	391	408	-9.5	-16.4	6.8	4.3	
MINING .....	89	72	64	65	86	-19.1	-11.1	1.6	32.3	
NUCLEAR .....	358	398	367	387	252	11.2	-7.8	5.4	-34.9	
PETROLEUM .....	55	53	53	67	76	-3.6	0	26.4	13.4	
ENGINEERING, N.E.C. ....	605	529	540	595	568	-12.6	2.1	10.2	-4.5	
PHYSICAL SCIENCES .....	12,082	12,078	12,273	12,307	11,814	-	-1.6	3	-4.0	
ASTRONOMY .....	253	254	223	226	207	-4	-12.2	1.3	-8.4	
CHEMISTRY .....	7,187	7,290	7,554	7,645	7,421	1.4	3.6	1.2	-2.9	
PHYSICS .....	4,599	4,484	4,446	4,401	4,141	-2.5	-8	-1.0	-5.9	
PHYSICAL SCIENCES, N.E.C. ....	43	50	50	735	45	16.3	0	-30.0	28.6	
ENVIRONMENTAL SCIENCES .....	2,979	3,161	3,430	3,514	3,445	6.1	8.5	2.4	-2.0	
ATMOSPHERIC SCIENCES .....	169	185	-15%	138	134	9.5	-16.2	-11.0	-2.9	
GEOSCIENCES .....	2,322	2,369	2,608	2,596	2,515	2.0	10.1	-5	-3.1	
OCEANOGRAPHY .....	350	402	404	465	403	14.9	.5	15.1	-13.9	
ENVIRONMENTAL SCIENCES, N.E.C. ....	138	205	263	315	393	48.6	28.3	19.8	24.8	
MATHEMATICAL SCIENCES .....	8,036	8,109	8,265	8,040	7,987	.9	1.9	-2.7	-7	
COMPUTER SCIENCE .....	1,286	1,411	1,544	1,542	1,546	9.7	9.4	-1	.3	
MATHEMATICS AND APPLIED MATHEMATICS .....	6,057	5,931	5,919	5,695	5,607	-2.1	-.2	-3.8	-1.5	
STATISTICS .....	693	767	802	803	834	10.7	4.6	1	3.9	
LIFE SCIENCES .....	18,987	19,860	20,831	21,635	21,504	4.6	4.9	3.9	-6	
AGRICULTURAL SCIENCES .....	2,951	3,245	3,512	3,577	3,600	10.0	8.2	1.9	.6	
BIOLOGICAL SCIENCES .....	13,182	13,726	14,827	14,898	14,601	4.1	4.4	4.0	-2.0	
ANATOMY .....	389	412	457	517	506	5.9	10.9	13.1	-2.1	
BIOCHEMISTRY .....	1,049	1,113	1,159	1,195	1,259	6.1	9.1	3.1	5.4	
BIOLOGY .....	3,771	4,043	4,267	4,392	4,190	7.2	5.5	2.9	-4.6	
BIOMETRY/EPIDEMIOLOGY .....	73	94	99	146	154	28.8	5.3	47.5	5.5	
BIOPHYSICS .....	166	197	168	160	111	18.7	-14.7	-4.8	-30.6	
BOTANY .....	1,360	1,316	1,373	1,354	1,366	-3.2	4.3	-1.4	1.9	
CELL BIOLOGY .....	170	221	227	205	197	30.0	2.7	-9.7	-3.9	
ECOLOGY .....	228	276	372	379	378	21.1	34.8	1.9	-3	
ENTOMOLOGY/PARASITOLOGY .....	507	515	539	549	653	1.6	4.7	1.9	18.9	
GENETICS .....	199	180	216	237	269	-9.5	20.0	9.7	10.5	
MICROBIOLOGY .....	1,261	1,313	1,390	1,505	1,327	4.1	5.9	8.3	-11.8	
NUTRITION .....	664	649	621	792	761	-2.3	-4.3	27.5	-3.9	
PATHOLOGY .....	175	198	234	256	308	13.1	18.2	9.4	20.3	
PHARMACOLOGY .....	400	424	479	478	544	6.0	13.0	-2	13.8	
PHYSIOLOGY .....	635	697	752	731	711	9.8	7.9	-2.8	-2.7	
ZOOLOGY .....	1,781	1,691	1,565	1,529	1,431	-5.1	-7.5	-2.3	-6.4	
BIOSCIENCES, N.E.C. ....	354	387	409	473	436	9.3	5.7	15.6	-7.8	
HEALTH SCIENCES .....	2,854	2,889	2,992	3,160	3,303	1.2	3.6	5.6	4.5	
ANESTHESIOLOGY .....	46	49	3	2	6	6.5	-93.9	-33.3	200.0	
CARDIOLOGY .....	19	0	0	1	1	-100.0	**	**	0	
CLINICAL PHARMACOLOGY .....	0	0	0	0	0	0	0	-0	0	
DENTISTRY .....	237	344	342	363	352	45.1	-.6	.641	3.0	
ENDOCRINOLOGY .....	72	13	14	7	9	8.3	7.7	-50.0	28.6	
GASTROENTEROLOGY .....	10	3	2	2	4	-70.0	-33.3	0	100.0	
HEMATOLOGY .....	7	0	1	5	5	-100.0	**	400.0	0	
NEUROLOGY .....	58	64	53	59	54	10.3	-17.2	11.3	-8.5	
NURSING .....	117	130	181	253	277	11.1	39.2	39.8	9.5	
OBSTETRICS/GYNECOLOGY .....	17	22	14	5	6	29.4	-36.4	-64.3	20.0	
OPHTHALMOLOGY .....	16	12	2	2	1	-25.0	-83.3	0	-50.0	
OTORHINOLARYNGOLOGY .....	23	15	25	23	18	-34.8	66.7	-8.0	-21.7	
PEDIATRICS .....	15	24	22	14	9	60.0	-8.3	-36.4	-35.7	
PHARMACEUTICAL SCIENCES .....	690	700	734	756	763	1.4	4.9	3.0	.9	
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	260	201	325	286	306	-22.7	61.7	-12.0	7.0	
PSYCHIATRY .....	40	34	38	59	63	-15.0	11.8	55.3	6.8	
PULMONARY DISEASE .....	9	1	0	3	7	-88.9	-100.0	**	133.3	
RADIOLOGY .....	33	43	54	38	44	30.3	25.6	-29.6	15.8	
SPEECH PATH/AUDIOLOGY .....	601	661	602	621	694	10.0	-8.9	3.2	11.8	
SURGERY .....	56	79	68	60	61	41.1	-13.9	-11.8	1.7	
VETERINARY SCIENCES .....	202	208	227	276	257	-3.0	9.1	21.6	-6.9	
CLINICAL MEDICINE, N.E.C. ....	206	108	110	164	127	-47.6	1.9	49.1	-22.6	
HEALTH RELATED, N.E.C. ....	180	178	175	161	239	-4.1	-1.7	-8.0	48.4	
PSYCHOLOGY .....	6,872	6,960	7,339	7,457	7,425	1.3	5.4	1.6	-4	
SOCIAL SCIENCES .....	16,393	16,954	16,971	17,306	17,452	3.4	4.1	2.0	.8	
AGRICULTURAL ECONOMICS .....	640	721	777	733	692	12.7	7.8	-5.7	-5.6	
ANTHROPOLOGY .....	1,666	1,543	1,601	1,587	1,575	-7.4	3.8	-9	-6.8	
ECONOMICS (EXCEPT AGRICULTURAL) .....	3,279	3,483	3,556	3,644	3,728	6.2	2.1	2.5	2.3	
GEOGRAPHY .....	1,040	1,074	1,036	1,083	1,044	3.3	-3.5	4.5	-3.6	
HISTORY AND PHILOSOPHY OF SCIENCE .....	116	130	144	135	130	12.1	10.8	-6.3	-3.7	
LINGUISTICS .....	1,077	1,152	1,253	1,324	1,371	7.0	8.8	5.7	3.5	
POLITICAL SCIENCE .....	3,863	3,866	3,746	3,731	3,686	1	-3.1	4.4	-1.2	
SOCIOLOGY .....	3,095	3,086	3,105	3,104	3,003	-.3	-.6	4	-3.3	
SOCIOLOGY/ANTHROPOLOGY .....	338	389	362	360	343	15.1	-6.9	-6	-4.7	
SOCIAL SCIENCES, N.E.C. ....	1,279	1,510	1,391	1,605	1,880	18.1	-7.9	15.4	17.1	

1/ INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS.

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-14. FULL-TIME GRADUATE STUDENTS SUPPORTED BY OTHER OUTSIDE SOURCES<sup>1/</sup> IN ALL DOCTORATE-GRANTING INSTITUTIONS BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	16,403	16,868	17,694	18,249	19,259	2.8	4.9	3.1	5.5
ENGINEERING .....	4,369	4,511	4,864	5,136	5,322	3.3	7.8	5.6	3.6
AERONAUTICAL .....	125	145	127	140	142	16.0	-12.4	10.2	1.4
AGRICULTURAL .....	125	120	172	167	189	-4.0	43.3	-17.9	13.2
BIOMEDICAL .....	27	28	23	25	36	3.7	-17.9	-8.7	44.0
CHEMICAL .....	735	747	735	791	720	1.6	-1.6	7.6	-9.0
DIVIL .....	796	736	754	773	784	-7.5	2.4	2.5	1.4
ELECTRICAL .....	764	821	907	1,054	1,165	10.5	16.2	10.5	1.4
ENGINEERING SCIENCE .....	162	110	131	141	132	-32.1	19.1	7.6	-6.4
INDUSTRIAL .....	4,300	446	505	460	560	48.7	13.2	-8.9	21.7
MECHANICAL .....	540	517	482	597	668	-4.3	-6.8	23.9	11.9
METALLURGICAL/MATERIALS .....	303	312	269	384	339	3.0	18.3	-4.1	-11.7
MINING .....	56	67	86	73	47	19.6	28.4	-15.1	-35.6
NUCLEAR .....	133	194	226	223	256	45.9	-16.5	-1.3	14.8
PETROLEUM .....	122	123	176	151	143	-1.8	43.1	-14.2	-5.3
ENGINEERING, N.E.C. ....	181	165	171	157	141	-19.9	17.9	-8.2	-10.2
PHYSICAL SCIENCES .....	1,312	1,191	1,328	1,353	1,346	-9.2	11.5	1.9	-5
ASTRONOMY .....	30	43	32	39	26	43.3	-25.6	21.9	-33.3
CHEMISTRY .....	905	735	803	847	850	-18.8	9.3	5.5	.4
PHYSICS .....	367	408	485	464	466	11.2	18.9	-4.3	.4
PHYSICAL SCIENCES, N.E.C. ....	10	5	8	3	4	-50.0	60.0	-62.5	33.3
ENVIRONMENTAL SCIENCES .....	710	724	746	754	848	2.0	3.0	1.1	12.5
ATMOSPHERIC SCIENCES .....	59	54	52	36	36	-8.5	-3.7	-30.8	.0
GEOSCIENCES .....	452	479	493	542	595	6.0	2.9	9.9	9.8
OCEANOGRAPHY .....	157	128	140	112	139	-18.5	9.4	-20.0	24.1
ENVIRONMENTAL SCIENCES, N.E.C. ....	42	63	61	64	78	50.0	-3.2	4.9	21.9
MATHEMATICAL SCIENCES .....	634	767	802	708	819	21.0	4.6	-1.7	3.9
COMPUTER SCIENCE .....	253	350	292	303	391	38.3	-16.6	3.8	29.0
MATHEMATICS AND APPLIED MATHEMATICS .....	268	306	357	352	306	14.2	16.7	-1.4	-13.1
STATISTICS .....	113	111	153	133	122	-1.8	37.8	-13.1	-8.3
LIFE SCIENCES .....	4,597	4,800	5,212	5,377	5,717	4.4	8.6	3.2	6.3
AGRICULTURAL SCIENCES .....	1,503	1,721	1,894	1,997	1,942	14.5	10.1	5.4	-2.8
BIOLOGICAL SCIENCES .....	2,131	2,225	2,412	2,406	2,629	4.4	8.4	-2	9.3
ANATOMY .....	37	36	37	51	59	-2.7	2.8	37.8	15.7
BIOCHEMISTRY .....	234	246	268	237	249	5.1	8.9	-11.6	1.3
BIOLOGY .....	264	386	396	416	386	46.2	2.6	5.1	-7.2
BIOLOGY/EPIDEMILOGY .....	50	36	56	43	51	-28.0	55.6	-23.2	18.6
BIOPHYSICS .....	30	30	26	38	43	-13.3	46.2	13.2	.2
BOTANY .....	198	204	239	236	265	3.0	17.2	-1.3	12.3
CELL BIOLOGY .....	19	11	22	17	26	-42.1	100.0	-22.7	52.9
ECOLOGY .....	55	40	38	40	60	-27.3	-5.0	5.3	50.0
ENTOMOLOGY/PARASITOLOGY .....	159	220	217	216	237	38.4	-1.4	-5	9.7
GENETICS .....	78	45	57	84	69	-42.3	26.7	47.4	-23.8
MICROBIOLOGY .....	216	176	196	177	227	-18.5	11.4	-9.7	28.2
NUTRITION .....	290	254	329	327	385	-12.4	29.5	-6.6	17.7
PATHOLOGY .....	68	78	100	81	81	14.7	28.2	-19.0	.0
PHARMACOLOGY .....	93	105	73	120	142	12.9	-30.5	64.4	18.3
PHYSIOLOGY .....	86	106	99	109	125	23.3	-6.6	10.1	14.7
ZOOLOGY .....	109	132	147	114	107	21.1	11.4	-22.4	-6.1
BIOSCIENCES, N.E.C. ....	145	120	112	100	131	-17.2	-6.7	-10.7	31.0
HEALTH SCIENCES .....	963	854	906	974	1,146	-11.3	6.1	7.5	17.7
ANESTHESIOLOGY .....	0	1	0	1	0	0	-100.0	0	-100.0
CARDIOLOGY .....	2	3	0	0	0	50.0	-100.0	0	0
CLINICAL PHARMACOLOGY .....	0	1	5	1	2	0	400.0	-80.0	100.0
DENTISTRY .....	140	69	119	80	94	+50.7	72.5	-32.8	17.5
ENDOCRINOLOGY .....	2	1	0	1	0	-50.0	-100.0	0	-100.0
GASTROENTEROLOGY .....	11	0	0	1	0	-100.0	0	-100.0	0
HEMATOLOGY .....	0	0	8	0	1	-44	0	0	0
NEUROLOGY .....	10	6	8	11	11	-40.0	0	83.3	0
NURSING .....	24	40	48	141	203	66.7	55.0	127.4	46.0
OBSTETRICS/GYNECOLOGY .....	6	3	10	1	0	-50.0	233.3	-90.0	-100.0
OPHTHALMOLOGY .....	7	3	0	1	0	-57.1	-100.0	0	-100.0
OTORHINOLARYNGOLOGY .....	0	0	5	4	6	0	-20.0	50.0	0
PEDIATRICS .....	8	4	7	6	3	-50.0	75.0	-14.3	-50.0
PHARMACEUTICAL SCIENCES .....	145	149	158	150	190	2.8	6.0	-5.1	26.7
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	221	256	204	184	158	6.8	-13.6	-9.8	-14.1
PSYCHIATRY .....	18	10	15	6	5	-44.4	580.0	-60.0	-16.7
PULMONARY DISEASE .....	12	1	0	0	3	-91.7	-100.0	0	0
RADIOLOGY .....	18	19	14	20	17	5.6	-26.3	42.9	-15.0
SPEECH PATH/AUDIOLOGY .....	116	85	63	95	139	-26.7	-25.9	50.8	46.3
SURGERY .....	3	2	9	3	6	-33.3	350.0	-66.7	100.0
VETERINARY SCIENCES .....	81	78	102	118	113	-3.7	30.8	15.7	4.2
CLINICAL MEDICINE, N.E.C. ....	61	35	33	52	20	-42.6	-5.7	57.6	11.5
HEALTH RELATED, N.E.C. ....	78	108	98	98	175	38.5	-13.0	4.3	78.6
PSYCHOLOGY .....	1,114	1,183	1,270	1,289	1,574	6.2	7.4	1.5	22.1
SOCIAL SCIENCES .....	3,667	3,692	3,472	3,582	3,633	-7	-6.0	2.3	2.3
AGRICULTURAL ECONOMICS .....	229	264	244	336	340	15.3	-7.6	37.7	1.2
ANTHROPOLOGY .....	222	209	216	244	194	-5.9	3.3	13.0	-20.5
ECONOMICS (EXCEPT AGRICULTURAL) .....	752	816	969	945	983	8.5	18.8	-2.5	4.0
GEOGRAPHY .....	130	126	167	158	147	-3.1	32.5	-5.4	-7.0
HISTORY AND PHILOSOPHY OF SCIENCE .....	24	25	22	23	19	4.2	-12.0	4.5	-17.4
LINGUISTICS .....	153	163	133	149	164	-6.5	-18.4	12.0	10.1
POLITICAL SCIENCE .....	837	716	838	721	698	-14.5	17.0	-14.0	-3.2
SOCIOLOGY .....	680	635	530	520	498	-6.6	-16.8	-1.9	-4.2
SOCIOLOGY/ANTHROPOLOGY .....	53	50	75	49	36	-5.7	50.0	-34.7	-30.6
SOCIAL SCIENCES, N.E.C. ....	587	688	278	407	556	17.2	-59.6	46.4	36.6

<sup>1/</sup> INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-19. SELF-SUPPORTED FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	56,085	69,012	68,948	68,801	66,833	+23.0	-0.1	+0.2	+2.9	
ENGINEERING .....	9,096	12,104	10,595	10,408	10,686	+38.1	-12.5	-1.8	+2.7	
AERONAUTICAL .....	125	168	167	163	166	+34.4	+2.2	1.2	+1.8	
AGRICULTURAL .....	42	75	116	125	100	+76.6	+54.7	+7.8	+20.0	
BIOMEDICAL .....	224	275	265	270	276	+22.8	+3.6	1.9	+2.2	
CHEMICAL .....	571	711	703	791	829	+26.5	+1.1	+12.5	+4.8	
CIVIL .....	1,805	2,511	1,982	2,051	2,247	+9.1	+21.1	+3.5	+9.6	
ELECTRICAL .....	2,346	2,601	2,447	2,549	2,398	+10.9	+5.9	+4.2	+5.9	
ENGINEERING SCIENCE .....	202	402	345	277	275	+98.0	+14.2	+19.7	+7.7	
INDUSTRIAL .....	1,410	2,347	1,739	2,221	1,591	+66.5	+25.9	+6.8	+1.9	
MECHANICAL .....	1,077	1,377	1,242	1,255	1,159	+27.9	+9.8	+9.4	+3.0	
METALLURGICAL/MATERIALS .....	176	203	194	222	226	+15.3	+4.4	+14.4	+1.8	
MINING .....	45	76	68	89	88	+68.9	+10.5	+30.9	+1.1	
NUCLEAR .....	280	326	281	231	272	+16.4	+13.8	+17.8	+17.7	
PETROLEUM .....	60	39	58	38	90	+35.0	+17.7	+34.5	+136.8	
ENGINEERING, N.E.C. ....	733	998	994	856	969	+36.2	+4	+13.9	13.2	
PHYSICAL SCIENCES .....	1,795	1,874	1,731	1,622	1,479	+4.4	+7.6	+6.3	+8.8	
ASTRONOMY .....	67	70	59	47	48	+4.5	+15.7	+20.3	+2.1	
CHEMISTRY .....	762	872	797	736	746	+14.4	+8.6	+7.7	+1.4	
PHYSICS .....	898	905	848	803	645	+8	+6.3	+9.3	+19.7	
PHYSICAL SCIENCES, N.E.C. ....	68	27	27	36	40	+60.3	+0	+33.3	+11.1	
ENVIRONMENTAL SCIENCES .....	1,903	2,140	2,269	2,302	2,320	+12.5	+6.0	+1.5	+8	
ATMOSPHERIC SCIENCES .....	95	125	103	110	107	+31.6	+17.6	+6.8	+2.7	
GEOSCIENCES .....	1,350	1,556	1,546	1,533	1,602	+15.3	+6	+8	+4.5	
OCEANOGRAPHY .....	389	310	379	399	349	+20.3	+22.3	+5.3	+12.5	
ENVIRONMENTAL SCIENCES, N.E.C. ....	69	149	241	260	262	+115.9	+61.7	+7.9	.8	
MATHEMATICAL SCIENCES .....	3,360	3,701	3,950	3,684	3,593	+10.1	+6.7	+6.7	+2.5	
COMPUTER SCIENCE .....	1,532	1,602	1,966	1,846	1,946	+9.8	+16.9	+6.1	+5.4	
MATHEMATICS AND APPLIED MATHEMATICS .....	3,587	1,622	1,626	1,475	1,356	+2.2	+2	+9.3	+8.1	
STATISTICS .....	241	397	358	363	291	+64.7	+9.8	+1.4	+19.8	
LIFE SCIENCES .....	14,458	17,201	17,933	18,232	18,217	+19.0	+4.3	+1.7	+1	
AGRICULTURAL SCIENCES .....	2,340	2,748	3,004	3,088	2,861	+17.4	+9.3	+2.8	+7.4	
BIOLOGICAL SCIENCES .....	7,245	8,661	8,534	8,391	8,009	+19.5	+1.5	+1.7	+4.6	
ANATOMY .....	202	242	277	228	209	+19.8	+18.5	+17.7	+8.3	
BIOCHEMISTRY .....	391	425	368	371	444	+8.7	+13.4	+8	+19.7	
BIOLOGY .....	2,235	2,927	2,648	2,426	2,063	+31.0	+9.5	+8.4	+15.0	
BIOOMETRY/EPIDEMIOLOGY .....	153	161	121	190	194	+5.2	+24.8	+57.0	+2.1	
BIOPHYSICS .....	70	83	90	65	84	+18.6	+8.4	+27.8	+29.2	
BOTANY .....	637	447	463	554	462	+2.3	+3.6	+19.7	+16.6	
CELL BIOLOGY .....	36	60	42	24	30	+66.7	+30.0	+42.9	+25.0	
ECOLOGY .....	122	214	162	255	207	+75.4	+24.3	+57.4	+18.8	
ENTOMOLOGY/PARASITOLOGY .....	190	301	339	314	317	+58.4	+12.6	+7.4	+1.0	
GENETICS .....	129	138	163	165	138	+7.0	+18.1	+1.2	+16.4	
MICROBIOLOGY .....	680	713	688	681	622	+4.9	+3.5	+1.0	+8.7	
NUTRITION .....	583	698	818	896	993	+19.7	+17.2	+9.5	+10.8	
PATHOLOGY .....	198	244	243	286	328	+23.2	+4	+17.7	+14.7	
PHARMACOLOGY .....	159	231	267	294	278	+45.0	+15.6	+10.1	+5.4	
PHYSIOLOGY .....	519	568	489	451	462	+9.4	+13.9	+7.8	+2.4	
ZOOLOGY .....	727	747	717	576	586	+2.8	+4.0	+19.7	+1.7	
BIOSCIENCES, N.E.C. ....	414	462	639	615	592	+11.6	+38.3	+3.8	+3.7	
HEALTH SCIENCES .....	4,874	5,792	6,395	6,753	7,347	+18.8	+10.4	+5.6	+8.8	
ANESTHESIOLOGY .....	0	0	0	0	1	+0	+0	+0	+0	
CARDIOLOGY .....	0	0	0	0	0	+0	+0	+0	+0	
CLINICAL PHARMACOLOGY .....	0	0	0	0	0	+0	+0	+0	+0	
DENTISTRY .....	369	549	443	494	466	+48.8	+19.3	+11.5	+5.7	
ENDOCRINOLOGY .....	6	11	2	13	12	+83.3	+36.4	+85.7	+7.7	
GASTROENTEROLOGY .....	0	0	0	0	0	+0	+0	+0	+0	
HEMATOLOGY .....	0	3	2	0	1	+0	+33.3	+100.0	+0	
NEUROLOGY .....	10	14	18	14	21	+40.0	+28.6	+22.2	+50.0	
NURSING .....	751	668	894	1,208	1,403	+11.1	+33.8	+35.1	+16.1	
OBSTETRICS/GYNECOLOGY .....	3	5	5	2	5	+66.7	+0	+60.0	+150.0	
OPHTHALMOLOGY .....	1	0	0	0	0	+100.0	+0	+0	+0	
OTORHINOLARYNGOLOGY .....	1	7	8	15	12	+600.0	+14.3	+87.5	+20.0	
PEDIATRICS .....	10	21	26	23	29	+110.0	+23.8	+11.5	+26.1	
PHARMACEUTICAL SCIENCES .....	241	306	219	335	316	+27.0	+28.4	+53.0	+5.7	
PREVENTIVE MEDICINE/ COMMUNITY HEALTH .....	865	1,094	1,247	1,273	1,402	+26.5	+14.0	+2.1	+10.1	
PSYCHIATRY .....	31	72	60	50	38	+132.3	+16.7	+16.7	+24.0	
PULMONARY DISEASE .....	1	0	0	0	0	+100.0	+0	+0	+0	
RADIOLOGY .....	70	77	49	76	66	+10.0	+36.4	+55.1	+13.2	
SPEECH PATH/AUDIOLOGY .....	1,340	2,022	2,127	2,059	2,198	+50.9	+5.2	+3.2	+6.8	
SURGERY .....	10	2	1	2	2	+80.0	+30.0	+100.0	+0	
VETERINARY SCIENCES .....	100	111	156	155	138	+11.0	+40.5	+1.6	+11.0	
CLINICAL MEDICINE, N.E.C. ....	304	143	164	210	280	+53.0	+14.7	+28.0	+33.3	
HEALTH RELATED, N.E.C. ....	761	687	969	824	957	+9.7	+41.0	+15.0	+16.1	
PSYCHOLOGY .....	6,338	7,244	8,866	8,589	7,735	+14.3	+22.4	+3.1	+9.9	
SOCIAL SCIENCES .....	19,134	24,173	23,604	23,964	22,803	+29.3	+4.6	+1.5	+4.8	
AGRICULTURAL ECONOMICS .....	324	477	528	922	983	+47.2	+10.7	+20.1	+14.5	
ANTHROPOLOGY .....	2,071	2,455	2,492	2,544	2,243	+18.5	+1.5	+2.1	+11.8	
ECONOMICS (EXCEPT AGRICULTURAL) .....	2,168	3,382	2,540	2,763	2,858	+53.7	+23.8	+8.8	+3.4	
GEORGRAPHY .....	645	803	827	670	675	+24.5	+3.0	+19.0	+7	
HISTORY AND PHILOSOPHY OF SCIENCE .....	97	89	86	85	84	+8.2	+3.4	+1.2	+1.2	
LINGUISTICS .....	1,003	1,481	1,475	1,183	967	+47.7	+4	+19.8	+18.3	
POLITICAL SCIENCE .....	5,351	7,474	6,548	6,633	6,286	+39.7	+12.4	+1.3	+5.2	
SOCIOLOGY .....	3,058	3,893	3,363	3,018	2,535	+17.9	+6.4	+10.3	+16.0	
SOCIOLOGY/ANTHROPOLOGY .....	437	497	209	308	187	+13.7	+57.9	+7.4	+39.3	
SOCIAL SCIENCES, N.E.C. ....	3,980	4,542	5,596	6,338	6,485	+14.1	+21.9	+14.5	+2.3	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-10. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	PERCENT CHANGE
UNITED STATES TOTAL .....	195,915	211,553	214,866	218,425	217,588	8,0	1.6	1.7	-0.4		
NEW ENGLAND .....	15,744	15,782	16,978	16,700	17,041	.2	7.6	-1.6	2.0		
CONNECTICUT .....	2,927	2,820	3,111	3,044	3,039	-3.7	10.3	-2.2	-.2		
MAINE .....	333	364	389	378	378	9.3	6.9	-2.8	0		
MASSACHUSETTS .....	10,040	10,316	11,224	11,020	11,397	2.8	8.8	-1.8	3.4		
NEW HAMPSHIRE .....	662	887	601	632	530	-11.3	2.4	5.2	-16.1		
RHODE ISLAND .....	1,311	1,317	1,268	1,281	1,353	.5	-3.7	1.0	5.6		
VERMONT .....	471	378	385	345	344	-19.7	1.9	-10.4	-.3		
MIDDLE ATLANTIC .....	29,151	31,912	30,915	31,472	30,967	9.6	-3.1	1.8	-1.6		
NEW JERSEY .....	5,240	3,805	3,548	3,494	3,490	17.4	-6.8	-1.5	-.1		
NEW YORK .....	18,242	19,948	18,661	19,150	18,796	9.4	-6.5	2.6	-1.8		
PENNSYLVANIA .....	7,669	8,159	8,708	8,828	8,681	6.4	6.7	1.4	-1.7		
EAST NORTH CENTRAL .....	41,986	43,545	43,721	43,860	42,906	3.7	.4	.3	-2.2		
ILLINOIS .....	11,023	11,487	11,193	11,283	11,229	4.2	-2.6	.8	-.5		
INDIANA .....	5,521	5,671	5,743	5,654	5,677	2.7	1.3	-1.5	.4		
MICHIGAN .....	10,506	10,130	9,896	10,040	9,659	-3.6	-2.3	1.5	-3.8		
OHIO .....	9,052	9,576	10,648	10,711	10,426	5.8	11.2	.6	-2.7		
WISCONSIN .....	5,884	6,681	6,241	6,172	5,915	13.5	-6.6	-1.1	-4.2		
WEST NORTH CENTRAL .....	14,590	16,544	17,057	16,919	16,877	13.4	3.1	-.8	-1.4		
IOWA .....	2,481	2,942	3,140	3,101	3,199	18.6	6.7	-1.2	3.2		
KANSAS .....	2,620	2,827	3,034	3,104	3,062	7.9	7.3	2.3	-1.4		
MINNESOTA .....	3,961	4,508	4,291	4,102	4,099	13.8	-4.8	-4.4	-.1		
MISSOURI .....	3,637	4,203	4,276	4,200	3,893	15.6	1.7	-1.8	-7.3		
NEBRASKA .....	889	1,015	1,191	1,329	1,326	14.2	17.3	11.6	-.2		
NORTH DAKOTA .....	571	631	701	607	633	10.5	11.1	-13.4	4.3		
SOUTH DAKOTA .....	431	418	424	476	465	-3.0	1.4	12.3	-2.3		
SOUTH ATLANTIC .....	26,160	28,455	28,072	29,251	29,243	8.8	71.3	4.2	*		
DELAWARE .....	570	590	572	630	635	3.5	-3.1	10.1	.8		
DISTRICT OF COLUMBIA .....	2,857	3,792	3,229	3,754	3,499	32.7	-14.8	16.3	-6.8		
FLORIDA .....	4,864	4,961	5,154	4,943	4,998	2.0	3.9	-4.1	1.1		
GEORGIA .....	3,484	3,614	3,616	3,801	3,951	3.7	.1	5.1	3.9		
MARYLAND .....	4,057	3,929	3,457	3,480	3,420	-3.2	-12.0	.7	-1.7		
NORTH CAROLINA .....	4,558	4,808	4,844	5,141	5,192	5.5	.7	6.1	1.0		
SOUTH CAROLINA .....	1,540	1,833	1,929	1,937	1,818	19.0	5.2	.4	-6.1		
VIRGINIA .....	3,099	3,663	3,892	4,097	4,202	18.2	6.3	5.3	2.6		
WEST VIRGINIA .....	1,131	1,265	1,379	1,468	1,628	11.8	9.0	6.5	4.1		
EAST SOUTH CENTRAL .....	7,318	8,424	8,852	9,285	9,261	15.1	5.1	4.9	-.3		
ALABAMA .....	1,436	1,635	1,865	2,080	2,292	13.9	14.1	11.5	10.2		
KENTUCKY .....	1,497	1,700	1,725	1,774	1,738	13.6	1.5	2.8	-2.0		
MISSISSIPPI .....	1,121	1,411	1,434	1,482	1,564	25.9	1.6	3.3	4.3		
TENNESSEE .....	3,264	3,678	3,828	3,949	3,685	12.7	14.1	3.2	-6.7		
WEST SOUTH CENTRAL .....	15,692	16,375	17,272	18,238	18,595	4.4	5.5	5.6	2.0		
ARKANSAS .....	653	695	753	781	744	6.4	8.3	3.7	-6.7		
LOUISIANA .....	2,296	2,068	2,063	2,226	2,302	-9.9	7.2	7.9	12.4		
OKLAHOMA .....	2,503	2,464	2,437	2,677	2,663	-1.6	-1.1	9.8	-.5		
TEXAS .....	10,240	11,148	12,019	12,554	12,686	8.9	7.8	4.5	1.1		
MOUNTAIN .....	13,597	15,814	15,606	15,229	15,274	16.3	-1.3	-2.4	.3		
ARIZONA .....	3,256	3,372	3,455	3,410	3,457	3.6	2.5	-1.3	1.4		
COLORADO .....	4,780	6,195	5,814	5,438	5,229	29.6	-6.2	-6.5	-3.8		
IDAHO .....	592	699	740	792	795	18.1	5.9	7.0	.4		
MONTANA .....	666	709	739	717	687	6.5	4.2	-3.0	-4.2		
NEVADA .....	328	357	399	346	326	8.8	11.8	-13.3	-5.8		
NEW MEXICO .....	966	1,266	1,248	1,263	1,439	31.1	-1.4	1.2	13.9		
UTAH .....	2,474	2,625	2,613	2,668	2,741	6.1	7.5	2.1	2.7		
WYOMING .....	535	591	598	595	600	10.5	1.2	-.5	.8		
PACIFIC .....	30,771	33,635	35,377	36,394	36,588	9.3	5.2	2.9	.5		
ALASKA .....	160	131	170	190	223	-18.1	29.8	11.8	17.4		
CALIFORNIA .....	23,338	26,038	27,075	27,319	27,645	11.6	9.0	.9	1.2		
HAWAII .....	1,281	1,331	1,353	1,373	1,333	3.9	1.7	1.5	-2.9		
OREGON .....	2,161	2,276	2,398	2,681	2,706	5.3	5.4	11.8	.9		
WASHINGTON .....	3,831	3,859	4,381	4,831	4,681	.7	13.5	10.3	-3.1		
OUTLYING AREAS .....	906	1,067	1,016	1,077	1,036	17.8	-4.8	6.0	-3.8		

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-17. FULL-TIME GRADUATE STUDENTS SUPPORTED BY FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL .....	48,016	48,304	48,642	50,530	51,373	0.6	0.7	3.9	1.7
NEW ENGLAND .....	4,463	4,547	4,693	5,074	4,939	1.9	3.2	8.1	-2.7
CONNECTICUT .....	671	681	668	811	785	1.5	-1.9	21.4	-3.2
MAINE .....	71	86	114	111	80	21.1	32.6	2.6	-31.6
MASSACHUSETTS .....	3,100	3,118	3,199	3,477	3,518	0.6	2.6	8.8	1.1
NEW HAMPSHIRE .....	136	155	176	141	59	14.0	13.5	-17.6	-59.3
RODE ISLAND .....	404	429	461	435	424	6.2	2.8	-1.4	-2.5
VERMONT .....	81	78	95	87	73	-3.7	21.8	-8.4	-16.1
MIDDLE ATLANTIC .....	6,593	6,900	6,908	7,053	7,281	4.7	.1	2.1	3.2
NEW JERSEY .....	747	762	741	739	765	2.0	-2.8	-3.3	3.5
NEW YORK .....	3,827	3,944	3,793	3,923	4,139	3.1	-3.8	3.4	5.5
PENNSYLVANIA .....	2,019	2,194	2,374	2,391	2,377	8.7	8.2	-7	-6
EAST NORTH CENTRAL .....	9,660	9,617	9,708	9,846	9,718	-4	.9	1.4	-1.3
ILLINOIS .....	2,858	2,926	2,995	2,831	2,955	2.4	1.0	-4.2	4.4
INDIANA .....	1,260	1,244	1,300	1,417	1,312	-1.3	4.5	9.0	-7.4
MICHIGAN .....	1,907	1,843	1,766	1,751	1,602	-3.4	-4.2	-8.8	-8.5
OHIO .....	1,753	1,749	1,981	2,105	2,081	-2	13.3	6.3	-1.1
WISCONSIN .....	1,882	1,855	1,706	1,742	1,768	-1.4	-8.0	2.1	1.5
WEST NORTH CENTRAL .....	3,652	3,801	3,609	3,649	3,711	4.1	-5.1	1.1	1.7
IOWA .....	642	636	599	588	645	-.9	-5.8	-1.8	9.7
KANSAS .....	621	597	601	667	614	-3.9	.7	11.0	-7.9
MINNESOTA .....	1,161	1,196	1,132	1,122	1,131	3.0	-5.4	-9	-8
MISSOURI .....	894	985	875	873	910	10.2	-11.2	-2	4.2
NEBRASKA .....	139	162	184	199	201	16.5	13.6	8.2	1.0
NORTH DAKOTA .....	118	133	119	104	119	12.7	-10.5	-12.6	14.4
SOUTH DAKOTA .....	77	92	99	96	91	19.5	7.6	-3.0	-5.2
SOUTH ATLANTIC .....	6,142	6,362	5,982	6,361	6,552	3.6	-6.0	6.3	3.0
DELAWARE .....	134	149	157	161	158	11.2	5.4	2.5	-1.9
DISTRICT OF COLUMBIA .....	440	525	383	594	533	19.3	-27.0	55.1	-10.3
FLORIDA .....	1,016	1,084	1,062	1,186	1,108	6.7	-2.0	11.7	-6.6
GEORGIA .....	638	653	562	615	675	2.4	-13.9	9.4	9.8
MARYLAND .....	1,229	1,108	999	888	995	-9.8	-9.8	-11.1	12.0
NORTH CAROLINA .....	1,479	1,496	1,354	1,418	1,432	1.1	-9.5	4.7	1.0
SOUTH CAROLINA .....	227	245	268	278	333	7.9	9.4	3.7	19.8
VIRGINIA .....	716	821	880	913	980	14.7	7.2	3.7	7.3
WEST VIRGINIA .....	263	281	317	308	338	6.8	12.8	-2.8	9.7
EAST SOUTH CENTRAL .....	1,408	1,538	1,613	1,531	1,556	9.2	4.9	-5.1	1.6
ALABAMA .....	258	294	355	408	435	14.0	20.7	14.9	6.6
KENTUCKY .....	221	260	312	275	267	-17.6	20.0	-11.9	-2.9
MISSISSIPPI .....	206	296	256	228	248	43.7	-13.5	-10.9	8.8
TENNESSEE .....	723	688	690	620	606	-4.8	.3	-10.1	-2.3
WEST SOUTH CENTRAL .....	2,657	2,484	2,435	2,812	2,719	-6.5	-2.0	15.5	-3.3
ARKANSAS .....	152	108	113	139	136	-28.9	4.6	23.0	-2.2
LOUISIANA .....	378	247	209	382	393	-29.1	-7.8	-15.4	82.8
OKLAHOMA .....	377	334	491	559	393	-11.4	47.0	13.8	-29.7
TEXAS .....	1,750	1,774	1,584	1,905	1,808	1.4	-10.7	20.3	-5.1
MOUNTAIN .....	3,200	3,219	3,401	3,571	3,742	.6	5.7	5.0	4.8
ARIZONA .....	589	583	668	686	792	-1.0	14.6	2.7	15.5
COLORADO .....	1,286	1,340	1,346	1,497	1,560	4.2	.4	11.2	4.2
IDAHO .....	114	86	103	135	117	-24.6	19.8	31.1	-13.3
MONTANA .....	151	150	150	136	143	-7	0	-9.3	5.1
NEVADA .....	65	85	103	84	81	30.8	21.2	-18.4	-3.6
NEW MEXICO .....	238	268	248	262	269	-10	-7.5	5.6	2.7
UTAH .....	677	600	666	609	620	-11.4	11.0	-8.6	1.8
WYOMING .....	80	107	117	162	160	33.7	9.3	38.5	-1.2
PACIFIC .....	10,077	9,591	10,019	10,366	10,891	-4.8	4.5	3.5	5.1
ALASKA .....	56	43	64	61	69	-23.2	48.8	-4.7	13.1
CALIFORNIA .....	7,838	7,378	7,687	7,891	8,328	-6.3	4.2	2.7	5.5
HAWAII .....	374	418	395	900	925	11.8	-5.5	1.3	6.3
OREGON .....	565	550	472	547	621	-2.7	-14.2	15.9	13.5
WASHINGTON .....	1,204	1,202	1,401	1,467	1,448	-2	16.6	4.7	-1.3
DUALYING AREAS .....	164	245	274	267	264	-49.4	11.8	-2.6	-1.1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-10. FULL-TIME GRADUATE STUDENTS SUPPORTED BY NON-FEDERAL SOURCES IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL .....	147,899	163,249	166,224	167,895	166,215	10.4	1.8	1.0	-1.0
NEW ENGLAND .....	11,281	11,235	12,285	11,626	12,102	-4%	9.3	-5.4	4.1
CONNECTICUT .....	2,256	2,139	2,443	2,233	2,254	-5.2	14.2	-8.6	.9
MAINE .....	262	278	275	261	298	6.1	-1.1	-5.1	14.2
MASSACHUSETTS .....	6,940	7,198	8,025	7,541	7,879	3.7	11.5	-6.0	4.5
NEW HAMPSHIRE .....	526	432	425	487	471	-17.9	-1.6	14.6	-3.3
RHODE ISLAND .....	907	888	827	846	929	-2.1	-6.9	2.3	9.8
VERMONT .....	390	300	290	258	271	-23.1	-3.3	-11.0*	5.0
MIDDLE ATLANTIC .....	22,558	25,012	24,007	24,419	23,686	10.9	-4.0	1.7	-3.0
NEW JERSEY .....	2,493	3,043	2,807	2,755	2,725	22.1	-7.8	-1.9	-1.1
NEW YORK .....	14,815	16,004	16,868	15,227	14,657	11.0	-7.1	2.4	-3.7
PENNSYLVANIA .....	5,650	5,965	6,332	6,437	6,304	5.6	6.2	1.7	-2.1
EAST NORTH CENTRAL .....	32,326	33,928	34,013	34,014	33,188	5.0	.3	.9	-2.4
ILLINOIS .....	8,165	8,561	8,238	8,452	8,274	4.8	-3.8	2.6	-2.1
INDIANA .....	4,261	4,427	4,443	4,237	4,365	3.9	-.4	-4.6	3.0
CHICAGO .....	8,599	8,287	8,130	8,289	8,057	-3.6	-8.9	2.0	-2.8
OHIO .....	7,299	7,827	8,667	8,606	8,345	7.2	10.7	-.7	-3.0
WISCONSIN .....	4,002	4,826	4,535	4,430	4,147	20.6	-6.0	-2.3	-6.4
WEST NORTH CENTRAL .....	10,938	12,743	13,448	13,270	12,966	16.5	5.5	-1.3	-2.3
IOWA .....	1,839	2,306	2,541	2,513	2,554	25.4	10.2	-1.1	1.6
KANSAS .....	1,999	2,230	2,433	2,437	2,448	11.6	9.1	-.2	.5
MINNESOTA .....	2,800	3,312	3,159	2,980	2,968	18.3	-4.6	-5.7	-.4
MISSOURI .....	2,743	3,218	3,401	3,327	2,983	17.3	5.7	-2.2	-10.3
NEBRASKA .....	750	853	1,007	1,130	1,125	13.7	18.1	12.2	-.4
NORTH DAKOTA .....	453	498	582	503	514	9.9	16.9	-13.6	2.2
SOUTH DAKOTA .....	354	4326	325	380	374	-7.9	-.3	16.9	-1.6
SOUTH ATLANTIC .....	20,018	22,093	22,090	22,890	22,691	10.4	0	3.6	4.9
DELAWARE .....	436	441	415	469	477	1.1	-5.9	13.0	1.7
DISTRICT OF COLUMBIA .....	2,417	3,267	2,846	3,160	2,966	35.2	12.9	11.0	-6.1
FLORIDA .....	3,840	3,877	4,092	3,757	3,890	-.8	5.5	-8.2	3.5
GEORGIA .....	2,846	2,961	3,054	3,186	3,276	4.0	3.1	4.3	2.8
MARYLAND .....	2,828	2,821	2,458	2,592	2,425	-.2	-12.9	5.5	-6.4
NORTH CAROLINA .....	3,079	3,312	3,490	3,723	3,760	7.6	5.4	6.7	1.0
SOUTH CAROLINA .....	1,313	1,588	1,661	1,659	1,485	20.9	4.6	-.1	-10.5
VIRGINIA .....	2,383	2,842	3,012	3,184	3,222	19.3	6.0	5.7	1.2
WEST VIRGINIA .....	868	984	1,062	1,160	1,190	13.4	7.9	9.2	2.6
EAST SOUTH CENTRAL .....	5,910	6,886	7,239	7,754	7,705	16.5	5.1	7.1	-.6
ALABAMA .....	1,178	1,341	1,510	1,672	1,857	13.8	12.6	10.7	11.1
KENTUCKY .....	1,276	1,440	1,413	1,499	1,471	12.9	-1.9	6.1	-1.9
MISSISSIPPI .....	915	1,115	1,178	1,254	1,298	21.9	5.7	6.5	3.5
TENNESSEE .....	2,541	2,990	3,138	3,329	3,079	17.7	4.9	6.1	-7.5
WEST SOUTH CENTRAL .....	13,035	13,891	14,837	15,426	15,876	6.6	6.8	4.0	2.9
ARKANSAS .....	501	587	640	642	608	17.2	9.0	-.3	-5.3
LOUISIANA .....	1,918	1,800	1,816	2,017	2,120	-6.2	-.9	11.1	5.1
OKLAHOMA .....	2,126	2,130	1,946	2,118	2,270	-.2	-8.6	8.8	7.2
TEXAS .....	8,490	9,374	10,435	10,649	10,878	10.4	11.3	2.1	2.2
MOUNTAIN .....	10,397	12,595	12,205	11,658	11,532	21.1	-3.1	-4.5	-1.1
ARIZONA .....	2,667	2,789	2,787	2,724	2,665	4.6	-.1	-2.3	-2.2
COLORADO .....	3,494	4,855	4,468	3,941	3,669	39.0	-8.0	-11.8	-6.9
IDAHO .....	478	613	637	657	678	28.2	3.9	3.1	3.2
MONTANA .....	515	559	589	581	549	8.5	5.4	-1.4	-6.4
NEVADA .....	263	272	296	262	45	3.4	8.8	-11.5	-6.5
NEW MEXICO .....	728	998	1,000	1,001	1,170	37.1	-.2	.1	16.9
UTAH .....	1,797	2,025	1,947	2,059	2,121	12.7	-3.9	5.8	3.0
WYOMING .....	455	484	481	433	440	6.4	-.6	-10.0	1.6
PACIFIC .....	20,694	24,044	25,358	26,028	25,697	16.2	5.5	2.6	-1.3
ALASKA .....	104	88	106	129	154	-15.4	20.5	21.7	19.4
CALIFORNIA .....	15,460	18,660	19,388	19,428	19,317	20.7	3.9	-.2	-.6
HAWAII .....	907	913	958	973	908	-.7	4.9	1.6	-6.7
OREGON .....	1,596	1,726	1,926	2,134	2,085	8.1	11.6	10.8	-2.3
WASHINGTON .....	2,622	2,657	2,980	3,364	3,233	1.1	12.2	12.9	-3.9
OUTLYING AREAS .....	742	822	742	810	772	10.8	-9.7	9.2	-4.7

\* LESS THAN 0.05 PERCENT CHANGE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 4-19 / FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
<b>TOTAL, ALL AREAS:</b>									
TOTAL, ALL SOURCES.....	195,915	211,553	214,866	218,425	217,588	8.0	1.7	1.7	-0.4
FEDERAL, TOTAL .....	48,016	48,304	48,642	50,530	51,373	.6	.7	3.9	1.7
DEPT OF HEW, TOTAL .....	20,031	20,881	20,389	21,144	21,807	4.2	-2.4	3.7	3.1
NIH .....	11,928	12,226	11,388	10,957	10,983	2.9	-6.9	-3.8	.2
OTHER HEW .....	8,103	8,655	9,001	10,187	10,824	6.8	4.0	13.2	6.3
NSF .....	8,818	8,798	8,964	9,024	9,024	-2.2	1.9	.7	.0
ALL OTHER FEDERAL .....	19,167	48,625	19,289	20,362	20,542	-2.8	3.6	5.6	.9
INSTITUTIONAL SUPPORT .....	75,411	77,369	79,582	80,845	80,123	2.6	2.9	1.6	-.9
OTHER OUTSIDE SUPPORT .....	16,403	16,868	17,694	18,249	19,259	2.8	4.9	3.1	5.5
SELF-SUPPORT .....	56,085	69,012	68,948	68,801	66,833	23.0	-.1	-.2	-2.9
<b>ENGINEERING:</b>									
TOTAL, ALL SOURCES.....	33,691	37,112	36,414	36,797	37,129	10.2	-1.9	1.1	.9
FEDERAL, TOTAL .....	10,164	10,245	10,482	10,667	10,625	.8	2.3	1.8	-.4
DEPT OF HEW, TOTAL .....	872	1,010	1,042	979	1,060	15.8	3.2	-6.0	8.3
NIH .....	647	695	678	550	544	7.4	-2.4	-18.9	-1.1
OTHER HEW .....	225	315	364	429	516	40.0	15.6	17.9	20.3
NSF .....	2,481	2,569	2,599	2,513	2,342	3.5	-.8	-1.4	-6.8
ALL OTHER FEDERAL .....	6,811	6,666	6,891	7,175	7,223	-2.1	3.4	4.1	.7
INSTITUTIONAL SUPPORT .....	10,062	10,247	10,473	10,586	10,496	1.8	2.2	1.1	-.9
OTHER OUTSIDE SUPPORT .....	4,369	4,511	4,864	5,136	5,322	3.3	7.8	5.6	3.6
SELF-SUPPORT .....	9,096	12,109	10,595	10,408	10,686	33.1	-12.5	-1.8	2.7
<b>PHYSICAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	21,422	21,443	21,787	21,913	21,651	.1	1.6	.6	-1.2
FEDERAL, TOTAL .....	6,233	6,300	6,455	6,631	7,012	1.1	2.5	2.7	5.7
DEPT OF HEW, TOTAL .....	1,162	1,282	1,362	1,331	1,408	10.3	6.2	-2.3	5.8
NIH .....	1,046	1,215	1,250	1,190	1,278	16.2	2.9	-4.8	7.4
OTHER HEW .....	116	67	112	141	130	-42.2	67.2	25.9	-7.8
NSF .....	2,656	2,584	2,749	2,738	2,803	-2.7	6.4	-.4	2.4
ALL OTHER FEDERAL .....	2,415	2,434	2,344	2,562	2,801	.8	-3.7	9.3	9.3
INSTITUTIONAL SUPPORT .....	12,082	12,078	12,273	12,307	11,814	0	1.6	.3	-4.0
OTHER OUTSIDE SUPPORT .....	1,312	1,191	1,328	1,353	1,346	-9.2	11.5	1.9	-.5
SELF-SUPPORT .....	1,795	1,874	1,731	1,622	1,479	4.4	-7.6	-6.3	-8.8
<b>ENVIRONMENTAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	8,227	8,698	9,321	9,615	9,724	5.7	7.2	3.2	1.1
FEDERAL, TOTAL .....	2,635	2,673	2,876	3,045	3,111	1.4	7.6	5.9	2.2
DEPT OF HEW, TOTAL .....	65	94	123	218	233	44.6	30.9	77.2	6.9
NIH .....	36	42	31	49	31	16.7	-19.0	44.1	-36.7
OTHER HEW .....	29	52	89	169	202	79.3	71.2	89.9	19.5
NSF .....	1,096	1,160	1,201	1,210	1,250	5.8	3.5	.7	3.3
ALL OTHER FEDERAL .....	1,474	1,419	1,552	1,617	1,628	-3.7	9.4	4.2	.7
INSTITUTIONAL SUPPORT .....	2,979	3,161	3,430	3,514	3,445	6.1	8.5	2.4	-2.0
OTHER OUTSIDE SUPPORT .....	710	724	746	754	848	2.0	3.0	1.1	12.5
SELF-SUPPORT .....	1,903	2,140	2,269	2,302	2,320	12.5	6.0	1.5	.8
<b>MATHEMATICAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	13,423	13,862	14,310	13,797	13,706	3.3	3.2	-3.6	-.7
FEDERAL, TOTAL .....	1,393	1,285	1,293	1,285	1,307	-7.8	.6	-.6	1.7
DEPT OF HEW, TOTAL .....	135	163	149	140	155	20.7	-8.6	-6.0	10.7
NIH .....	105	132	131	120	114	25.7	-.8	-8.4	-5.0
OTHER HEW .....	30	31	18	20	41	3.3	-41.9	11.1	105.0
NSF .....	545	491	472	535	531	-9.9	-3.9	13.3	-.7
ALL OTHER FEDERAL .....	713	631	672	610	621	-11.5	6.5	-9.2	1.8
INSTITUTIONAL SUPPORT .....	8,036	8,109	8,265	8,040	7,987	-.9	1.9	-2.7	-.7
OTHER OUTSIDE SUPPORT .....	634	767	802	788	819	21.0	4.6	-1.7	3.9
SELF-SUPPORT .....	3,360	3,711	3,950	3,684	3,593	10.1	6.7	-6.7	-2.5

CONTINUED ON NEXT PAGE

TABLE A-19. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

- CONTINUED

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
<b>AGRICULTURAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	8,493	9,497	10,165	10,429	10,231	11.8	.7.0	2.6	-1.9
FEDERAL, TOTAL .....	1,699	1,783	1,755	1,767	1,828	4.9	-1.6	.7	3.5
DEPT OF HEW, TOTAL .....	103	105	71	61	69	1.9	-32.4	-14.1	13.1
NIH .....	81	89	59	50	38	9.9	-33.7	+15.3	-24.0
OTHER HEW .....	22	16	12	11	31	-27.3	-25.0	-8.3	181.8
NSF .....	89	125	118	76	92	40.4	-5.6	-35.6	21.1
ALL OTHER FEDERAL .....	1,507	1,553	1,566	1,630	1,667	3.1	.8	4.1	2.3
INSTITUTIONAL SUPPORT .....	2,951	3,245	3,512	3,577	3,600	10.0	8.2	1.9	.6
OTHER OUTSIDE SUPPORT .....	1,503	1,721	1,894	1,997	1,942	14.5	10.1	5.4	-2.8
SELF-SUPPORT .....	2,340	2,748	3,004	3,088	2,861	17.4	9.3	2.8	-7.4
<b>BIOLOGICAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	32,408	34,749	35,205	35,805	35,580	7.2	1.3	1.7	-.6
FEDERAL, TOTAL .....	9,850	10,137	9,932	10,110	10,341	2.9	-2.0	1.8	2.3
DEPT OF HEW, TOTAL .....	7,223	7,509	6,959	7,054	7,207	4.0	-7.3	1.4	2.2
NIH .....	6,731	6,852	6,378	6,590	6,688	1.8	-6.9	3.3	1.5
OTHER HEW .....	492	657	581	464	519	33.5	-11.6	-20.1	11.9
NSF .....	922	961	1,066	1,153	1,231	4.2	10.9	8.2	6.8
ALL OTHER FEDERAL .....	1,705	1,667	1,907	1,903	1,903	-2.2	14.4	-2.1	0.0
INSTITUTIONAL SUPPORT .....	13,182	13,726	14,327	14,898	14,601	4.1	4.4	4.0	-2.0
OTHER OUTSIDE SUPPORT .....	2,131	2,225	2,412	2,406	2,629	4.4	8.4	7.2	9.3
SELF-SUPPORT .....	7,245	8,661	8,534	8,391	8,009	19.5	-1.5	-1.7	-4.6
<b>HEALTH SCIENCES:</b>									
TOTAL, ALL SOURCES.....	13,899	15,246	16,369	17,954	19,286	9.7	7.4	9.7	7.4
FEDERAL, TOTAL .....	5,208	5,711	6,076	7,067	7,490	9.7	6.4	16.3	6.0
DEPT OF HEW, TOTAL .....	4,434	5,024	5,372	6,180	6,511	13.4	6.9	15.0	5.4
NIH .....	1,101	1,097	1,000	779	860	-4	-8.8	-22.1	10.4
OTHER HEW .....	3,333	3,929	4,372	5,401	5,651	17.9	11.3	23.5	4.6
NSF .....	44	24	30	35	45	-45.5	25.0	16.7	28.6
ALL OTHER FEDERAL .....	730	661	674	852	934	-9.5	2.0	26.4	9.6
INSTITUTIONAL SUPPORT .....	2,854	2,889	2,992	3,160	3,303	1.2	3.6	5.6	4.5
OTHER OUTSIDE SUPPORT .....	963	854	906	974	1,146	11.3	6.1	7.5	17.7
SELF-SUPPORT .....	4,874	5,792	6,395	6,753	7,347	18.8	10.4	5.6	8.8
<b>PSYCHOLOGY:</b>									
TOTAL, ALL SOURCES.....	18,728	19,704	21,546	21,296	20,677	5.2	9.3	-1.2	-2.9
FEDERAL, TOTAL .....	4,404	4,387	4,071	3,961	3,943	-2.0	-5.7	-2.7	-.5
DEPT OF HEW, TOTAL .....	3,749	3,120	2,974	2,853	2,922	-4.0	-4.7	-4.1	2.4
NIH .....	1,458	1,422	1,266	1,176	1,081	-2.5	-11.0	-7.1	-8.1
OTHER HEW .....	1,791	1,698	1,708	1,677	1,841	-5.2	-6	-1.8	9.8
NSF .....	274	270	212	226	222	-1.5	-21.5	6.6	-1.8
ALL OTHER FEDERAL .....	881	927	885	882	799	5.2	-4.5	-3	-9.4
INSTITUTIONAL SUPPORT .....	6,872	6,960	7,339	7,457	7,425	1.3	5.4	1.6	-.4
OTHER OUTSIDE SUPPORT .....	1,114	1,183	1,270	1,289	1,574	6.2	7.4	1.5	22.1
SELF-SUPPORT .....	6,338	7,244	8,866	8,589	7,735	14.3	22.4	-3.1	-9.9
<b>SOCIAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	45,624	51,242	49,749	50,819	49,604	12.3	-2.9	2.2	-2.4
FEDERAL, TOTAL .....	6,430	5,853	5,702	5,997	5,716	-9.0	-2.6	5.2	-4.7
DEPT OF HEW, TOTAL .....	2,788	2,572	2,337	2,328	2,242	-7.7	-9.1	-4	-3.7
NIH .....	723	682	592	453	349	-5.7	-13.2	-23.5	-23.0
OTHER HEW .....	2,065	1,890	1,745	1,875	1,893	-8.5	-7.7	7.4	1.0
NSF .....	711	614	567	538	508	-13.6	-7.7	-5.1	-5.6
ALL OTHER FEDERAL .....	2,931	2,667	2,798	3,131	2,966	-9.0	4.9	11.9	-8.3
INSTITUTIONAL SUPPORT .....	16,393	16,954	16,971	17,306	17,452	3.4	.1	2.0	.8
OTHER OUTSIDE SUPPORT .....	3,667	3,692	3,472	3,552	3,633	.7	-6.0	2.3	2.3
SELF-SUPPORT .....	19,134	24,743	23,604	23,964	22,803	29.3	-4.6	1.5	-4.8

? LESS THAN 0.05 PERCENT CHANGE.

NOTE: INSTITUTIONAL SUPPORT INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS. OTHER OUTSIDE SUPPORT INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-20. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
<b>TOTAL: ALL AREAS:</b>										
TOTAL, ALL SOURCES.....	143,479	154,285	156,643	158,356	156,877	7.5	1.5	1.1	-0.9	
FEDERAL, TOTAL .....	33,402	33,932	34,340	35,126	35,379	1.6	1.2	2.3	.7	
DEPT OF HEW, TOTAL .....	13,400	14,407	14,132	14,403	14,536	7.5	-1.9	1.9	-0.9	
NIH .....	7,466	7,774	7,264	6,872	6,686	4.1	-6.6	-5.4	-2.7	
OTHER HEW .....	5,934	6,633	6,868	7,531	7,850	11.8	3.5	9.7	4.2	
NSF .....	5,482	5,383	5,456	5,004	5,599	-1.8	1.4	2.7	-1	
ALL OTHER FEDERAL .....	14,520	14,142	14,752	15,119	15,244	-2.6	4.3	2.5	.8	
INSTITUTIONAL SUPPORT .....	58,109	59,519	61,117	61,955	61,145	2.4	2.7	1.4	-1.3	
OTHER OUTSIDE SUPPORT .....	11,213	11,463	11,926	12,146	13,049	2.2	4.0	1.8	7.4	
SELF-SUPPORT .....	40,755	49,371	59,260	49,129	47,304	-21.1	-2	-3	-3.7	
<b>ENGINEERING:</b>										
TOTAL, ALL SOURCES.....	23,415	25,622	25,203	25,401	25,400	9.4	-1.6	.8	.0	
FEDERAL, TOTAL .....	7,057	6,984	6,354	7,083	7,038	-1.0	-4	1.9	-0.6	
DEPT OF HEW, TOTAL .....	518	612	613	609	663	18.1	-2	-7	8.9	
NIH .....	335	359	305	252	263	7.2	-15.0	-17.4	4.4	
OTHER HEW .....	183	253	308	357	400	08.3	21.7	15.9	12.0	
NSF .....	1,517	1,521	1,483	1,506	1,375	-3	-2.5	1.6	-8.7	
ALL OTHER FEDERAL .....	5,022	4,851	4,858	4,968	5,000	-3.4	-1	-2.3	.6	
INSTITUTIONAL SUPPORT .....	7,158	7,496	7,602	7,782	7,591	4.7	1.4	2.4	-2.5	
OTHER OUTSIDE SUPPORT .....	2,755	2,631	2,804	2,863	3,117	-4.5	6.6	2.1	8.9	
SELF-SUPPORT .....	6,445	8,911	7,843	7,673	7,654	32.1	-7.8	-2.2	-2	
<b>PHYSICAL SCIENCES:</b>										
TOTAL, ALL SOURCES.....	14,956	15,080	15,322	15,376	15,805	.8	1.6	.4	-1.1	
FEDERAL, TOTAL .....	3,898	4,014	4,162	4,261	4,454	3.0	3.7	2.4	4.5	
DEPT OF HEW, TOTAL .....	705	833	907	880	877	18.2	8.9	-3.0	-3	
NIH .....	633	782	825	779	769	23.5	5.5	-5.6	-1.3	
OTHER HEW .....	72	51	82	101	108	-29.2	60.8	23.2	6.9	
NSF .....	1,617	1,975	1,670	1,667	1,720	-2.6	6.0	7.2	3.2	
ALL OTHER FEDERAL .....	1,576	1,606	1,585	-1,714	1,857	1.9	-1.3	8.1	8.3	
INSTITUTIONAL SUPPORT .....	8,913	8,856	8,938	9,054	8,737	-6	.9	1.3	-3.5	
OTHER OUTSIDE SUPPORT .....	879	769	857	873	861	-12.5	11.4	1.9	-1.4	
SELF-SUPPORT .....	1,266	1,441	1,365	1,188	1,153	13.8	-5.3	-13.0	-2.9	
<b>ENVIRONMENTAL SCIENCES:</b>										
TOTAL, ALL SOURCES.....	6,348	6,805	7,272	7,637	7,673	7.2	6.9	5.0	.5	
FEDERAL, TOTAL .....	1,887	1,937	2,107	2,313	2,322	2.6	8.8	9.8	.4	
DEPT OF HEW, TOTAL .....	34	72	107	190	202	111.8	48.6	77.6	6.3	
NIH .....	12	21	25	45	29	75.0	19.0	80.0	-35.6	
OTHER HEW .....	22	51	82	145	173	131.8	60.8	76.8	19.3	
NSF .....	773	827	836	852	861	7.0	1.1	1.9	1.1	
ALL OTHER FEDERAL .....	1,080	1,038	1,164	1,271	1,259	-3.9	12.1	9.2	-9	
INSTITUTIONAL SUPPORT .....	2,463	2,624	2,815	2,881	2,828	6.5	7.3	2.3	-2.0	
OTHER OUTSIDE SUPPORT .....	518	508	537	534	642	-1.9	5.7	.6	20.2	
SELF-SUPPORT .....	1,480	1,736	1,813	1,909	1,885	17.3	4.4	5.3	-1.3	
<b>MATHEMATICAL SCIENCES:</b>										
TOTAL, ALL SOURCES.....	10,277	10,711	11,021	10,559	10,595	4.2	2.9	-4.2	.3	
FEDERAL, TOTAL .....	825	759	729	736	763	-8.0	-4.0	1.0	3.7	
DEPT OF HEW, TOTAL .....	99	119	123	115	124	20.2	3.4	-6.5	7.8	
NIH .....	80	101	107	99	93	26.2	5.9	-7.5	-6.1	
OTHER HEW .....	19	18	16	16	31	-5.3	-11.1	.0	93.8	
NSF .....	260	215	177	247	240	-17.3	-17.7	39.5	-2.8	
ALL OTHER FEDERAL .....	466	425	429	374	399	-8.8	.9	-12.8	6.7	
INSTITUTIONAL SUPPORT .....	6,342	6,429	6,601	6,396	6,323	1.4	2.7	-3.1	-1.1	
OTHER OUTSIDE SUPPORT .....	359	398	428	393	335	10.9	7.5	-8.2	10.7	
SELF-SUPPORT .....	2,751	3,125	3,263	3,034	3,074	13.6	4.4	-7.0	1.3	

CONTINUED ON NEXT PAGE

TABLE A-20. FULL-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

- CONTINUED

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE				
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
<b>AGRICULTURAL SCIENCES:</b>										
TOTAL, ALL SOURCES.....	8,236	9,217	9,882	10,142	9,935	11.9	7.2	2.6	-2.0	
FEDERAL, TOTAL .....	1,652	1,736	1,702	1,713	1,769	5.1	-2.0	-6	3.3	
DEPT OF HEW, TOTAL .....	97	101	71	61	66	4.1	-29.7	-14.1	8.2	
NIH .....	75	85	59	50	37	13.3	-30.6	-15.3	-26.0	
OTHER HEW .....	22	16	12	11	29	-27.3	-25.0	-8.3	163.6	
NSF .....	82	121	109	71	83	47.6	-9.9	-34.9	16.9	
ALL OTHER FEDERAL .....	1,473	1,514	1,522	1,581	1,620	2.8	.5	3.9	2.5	
INSTITUTIONAL SUPPORT .....	2,838	3,133	3,403	3,455	3,476	10.4	8.6	1.5	.6	
OTHER OUTSIDE SUPPORT .....	1,442	1,643	1,822	1,940	1,883	13.9	10.9	6.5	-2.9	
SELF-SUPPORT .....	2,304	2,705	2,955	3,034	2,807	17.4	9.2	2.7	-7.5	
<b>BIOLOGICAL SCIENCES:</b>										
TOTAL, ALL SOURCES.....	24,250	26,085	26,551	26,949	26,667	7.6	1.4	1.9	-1.0	
FEDERAL, TOTAL .....	6,600	6,712	6,628	6,818	6,948	1.7	-1.3	2.9	1.9	
DEPT OF HEW, TOTAL .....	4,375	4,546	4,193	4,318	4,374	3.9	-7.8	3.0	1.3	
NIH .....	4,061	4,129	3,873	3,968	3,986	1.7	-6.2	2.5	.5	
OTHER HEW .....	314	417	320	350	388	32.8	-23.3	9.4	10.9	
NSF .....	682	677	764	840	888	-7	12.9	9.9	5.7	
ALL OTHER FEDERAL .....	1,543	1,489	1,671	1,660	1,686	-3.5	12.2	-7	1.6	
INSTITUTIONAL SUPPORT .....	10,520	10,982	11,366	11,775	11,578	4.4	3.5	3.6	-1.7	
OTHER OUTSIDE SUPPORT .....	1,684	1,777	1,892	1,869	2,025	5.5	6.5	1.2	8.3	
SELF-SUPPORT .....	5,446	6,614	6,565	6,487	6,116	21.4	-7	-1.2	-5.7	
<b>HEALTH SCIENCES:</b>										
TOTAL, ALL SOURCES.....	10,955	12,142	12,985	13,817	14,538	10.8	6.9	6.4	5.2	
FEDERAL, TOTAL .....	4,070	4,697	4,941	5,310	5,478	15.4	5.2	7.5	3.2	
DEPT OF HEW, TOTAL .....	3,459	4,115	4,311	4,549	4,766	19.0	4.8	5.5	4.3	
NIH .....	792	834	770	557	700	5.3	-7.7	-27.7	25.7	
OTHER HEW .....	2,667	3,281	3,541	3,992	4,064	23.0	7.9	12.7	1.4	
NSF .....	31	10	18	26	31	-67.7	80.0	44.4	19.2	
ALL OTHER FEDERAL .....	580	572	612	735	701	-1.4	7.0	20.1	-4.6	
INSTITUTIONAL SUPPORT .....	2,333	2,369	2,568	2,655	2,653	.7	9.3	3.4	-1	
OTHER OUTSIDE SUPPORT .....	757	687	700	722	832	-9.2	1.9	3.1	-15.2	
SELF-SUPPORT .....	3,795	4,409	4,776	5,130	5,575	16.2	8.3	7.4	8.7	
<b>PSYCHOLOGY:</b>										
TOTAL, ALL SOURCES.....	12,965	13,365	13,901	13,498	12,999	3.1	4.0	-2.9	-3.7	
FEDERAL, TOTAL .....	3,143	2,991	2,823	2,732	2,553	-4.8	-5.6	-3.2	-6.6	
DEPT OF HEW, TOTAL .....	2,291	2,165	2,079	1,988	1,858	-5.5	-4.0	-4.4	-6.5	
NIH .....	1,041	1,015	889	841	615	-2.5	-12.4	-5.4	-26.9	
OTHER HEW .....	1,250	1,190	1,190	1,147	1,243	-8% <sup>a</sup>	3.5	-3.6	8.4	
NSF .....	181	155	113	128	137	-14.4	-27.1	13.3	7.0	
ALL OTHER FEDERAL .....	671	671	631	616	558	.0	-6.0	-2.4	-9.4	
INSTITUTIONAL SUPPORT .....	5,304	5,293	5,513	5,402	5,429	-2	4.2	-2.0	.5	
OTHER OUTSIDE SUPPORT .....	771	876	969	978	1,145	13.6	10.6	.9	17.1	
SELF-SUPPORT .....	3,747	4,205	4,596	4,386	3,872	12.2	9.3	-4.6	-11.7	
<b>SOCIAL SCIENCES:</b>										
TOTAL, ALL SOURCES.....	32,077	35,258	34,606	34,977	33,865	9.9	-1.8	1.1	-3.2	
FEDERAL, TOTAL .....	4,270	4,02	4,294	4,160	4,054	-3.9	4.7	-3.1	-2.5	
DEPT OF HEW, TOTAL .....	1,822	1,844	1,728	1,693	1,626	1.2	-6.3	-2.0	-4.0	
NIH .....	437	448	411	281	194	2.5	-8.3	-31.6	-31.0	
OTHER HEW .....	1,385	1,396	1,317	1,412	1,432	.8	-5.7	7.2	1.4	
NSF .....	339	282	286	267	264	-16.8	1.4	-6.6	-1.1	
ALL OTHER FEDERAL .....	2,109	1,976	2,280	2,200	2,164	-6.3	15.4	-3.5	-1.6	
INSTITUTIONAL SUPPORT .....	12,238	12,357	12,311	12,555	12,534	1.0	-.4	2.0	-.2	
OTHER OUTSIDE SUPPORT .....	2,048	2,174	1,917	1,974	2,109	6.2	-11.8	3.0	6.8	
SELF-SUPPORT .....	13,521	16,625	16,084	16,288	15,168	23.0	-3.3	1.3	-6.9	

\* LESS THAN 0.05 PERCENT CHANGE

NOTE: INSTITUTIONAL SUPPORT INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS. OTHER OUTSIDE SUPPORT INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-81. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
<b>TOTAL, ALL AREAS:</b>									
TOTAL, ALL SOURCES.....	52,436	57,268	58,223	60,069	60,711	9.2	1.7	3.2	1.1
FEDERAL, TOTAL .....	14,614	14,372	14,302	15,404	15,994	-1.7	-5	7.7	3.8
DEPT OF HEW, TOTAL .....	6,631	6,474	6,257	6,741	7,271	-2.4	-3.4	7.7	7.9
NIH .....	4,462	4,452	4,124	4,085	4,297	-0.2	-7.4	-9	5.2
OTHER HEW .....	2,169	2,022	2,133	2,656	2,974	-6.8	5.5	24.5	12.0
NSF .....	3,336	3,415	3,508	3,420	3,425	2.4	2.7	-2.5	.1
ALL OTHER FEDERAL .....	4,647	4,383	4,537	5,243	5,298	-3.5	1.2	15.6	1.0
INSTITUTIONAL SUPPORT .....	17,302	17,850	18,465	18,890	18,978	3.2	3.4	2.3	.5
OTHER OUTSIDE SUPPORT .....	5,190	5,405	5,768	6,103	6,210	4.1	6.7	5.8	1.8
SELF-SUPPORT .....	15,330	19,641	19,680	19,672	19,529	28.1	.2	-1	-7
<b>ENGINEERING:</b>									
TOTAL, ALL SOURCES.....	10,276	11,490	11,211	11,396	11,729	11.8	-2.4	1.7	2.9
FEDERAL, TOTAL .....	3,107	3,261	3,528	3,584	3,587	5.0	8.2	1.6	.1
DEPT OF HEW, TOTAL .....	354	398	429	370	397	12.4	7.8	-13.8	7.3
NIH .....	312	336	373	298	281	7.7	11.0	-20.1	-5.7
OTHER HEW .....	42	62	56	72	116	47.6	-9.7	28.6	61.1
NSF .....	964	1,048	1,066	1,007	967	8.7	1.7	-5.5	-4.0
ALL OTHER FEDERAL .....	1,789	1,815	2,033	2,207	2,223	1.5	12.0	8.6	.7
INSTITUTIONAL SUPPORT .....	2,904	2,751	2,871	2,804	2,905	-5.3	4.4	-2.3	3.6
OTHER OUTSIDE SUPPORT .....	1,614	1,880	2,060	2,273	2,205	16.5	9.6	10.3	-3.0
SELF-SUPPORT .....	2,651	3,598	2,752	2,735	3,032	35.7	-23.5	-6	10.9
<b>PHYSICAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	6,466	6,363	6,465	6,537	6,476	-1.6	1.6	1.1	-1.4
FEDERAL, TOTAL .....	2,335	2,286	2,293	2,370	2,558	-2.1	.3	3.4	7.9
DEPT OF HEW, TOTAL .....	457	449	455	451	531	-1.8	1.3	-9	17.7
NIH .....	413	433	425	411	509	4.8	-1.8	-3.3	23.8
OTHER HEW .....	44	16	30	40	22	-63.6	87.5	33.3	-45.0
NSF .....	1,039	1,009	1,079	1,071	1,083	-2.9	6.9	-7	1.1
ALL OTHER FEDERAL .....	839	828	759	848	944	-1.3	-8.3	11.7	11.3
INSTITUTIONAL SUPPORT .....	3,169	3,222	3,335	3,253	3,077	1.7	3.5	-2.5	-5.4
OTHER OUTSIDE SUPPORT .....	433	422	471	480	485	-2.5	11.6	1.9	1.0
SELF-SUPPORT .....	529	433	366	434	326	-18.1	-15.5	18.6	-24.9
<b>ENVIRONMENTAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	1,879	1,893	2,049	1,978	2,051	.7	8.2	-3.5	3.7
FEDERAL, TOTAL .....	748	736	769	732	789	-1.6	4.5	-4.8	7.8
DEPT OF HEW, TOTAL .....	31	22	16	28	31	-29.0	-27.3	75.0	10.7
NIH .....	24	21	9	4	2	-12.5	-57.1	-55.6	-50.0
OTHER HEW .....	7	1	7	24	29	-89.7	600.0	242.9	20.8
NSF .....	323	333	365	358	389	3.1	9.6	-1.9	8.7
ALL OTHER FEDERAL .....	394	381	388	346	369	-3.3	1.8	-10.8	6.6
INSTITUTIONAL SUPPORT .....	516	537	615	633	621	4.1	14.5	2.9	-1.9
OTHER OUTSIDE SUPPORT .....	192	216	209	220	206	12.5	-3.2	5.3	-6.4
SELF-SUPPORT .....	423	404	456	393	435	-4.5	12.9	-13.8	10.7
<b>MATHEMATICAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	3,146	3,151	3,289	3,238	3,111	.2	4.4	-1.6	-3.9
FEDERAL, TOTAL .....	568	526	564	549	544	-7.4	7.2	-2.7	-.9
DEPT OF HEW, TOTAL .....	36	44	26	25	31	22.2	-40.9	-3.8	24.0
NIH .....	25	31	24	21	21	24.0	-22.6	-12.5	.0
OTHER HEW .....	11	13	2	4	10	18.2	-84.6	100.0	150.0
NSF .....	285	276	295	288	291	-3.2	6.9	-23	1.0
ALL OTHER FEDERAL .....	247	206	243	236	222	-16.6	18.0	-2.9	-5.9
INSTITUTIONAL SUPPORT .....	1,694	1,680	1,664	1,644	1,664	-.8	-1.0	-1.2	1.2
OTHER OUTSIDE SUPPORT .....	275	369	374	395	384	34.2	1.4	5.6	-2.8
SELF-SUPPORT .....	609	576	687	650	519	-5.4	19.3	-5.4	-20.2

CONTINUED ON NEXT PAGE

TABLE A-21. FULL-TIME GRADUATE STUDENTS IN PRIVATELY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT: 1974-78

- CONTINUED

AREA OF SCIENCE AND SOURCE OF MAJOR SUPPORT	NUMBER					PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
<b>AGRICULTURAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	257	280	283	287	296	8.9	1.1	1.4	3.1
FEDERAL, TOTAL .....	47	47	53	54	59	.0	12.8	1.9	9.3
DEPT OF HED, TOTAL .....	6	4	0	0	3	-33.3	-100.0	00	00
NIH .....	6	4	0	0	1	-33.3	-100.0	00	00
OTHER HED .....	0	0	0	0	2	00	00	00	00
NSF .....	7	4	9	5	9	-42.9	125.0	-44.4	80.0
ALL OTHER FEDERAL .....	34	39	44	49	47	14.7	12.8	11.4	-4.1
INSTITUTIONAL SUPPORT .....	113	112	109	122	124	-.9	-2.7	11.9	1.6
OTHER OUTSIDE SUPPORT .....	61	78	72	57	59	27.9	-7.7	-20.8	3.5
SELF-SUPPORT .....	38	43	49	54	54	19.4	14.0	10.2	0
<b>BIOLOGICAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	8,158	8,664	8,754	8,856	8,913	6.2	-1.0	1.2	.6
FEDERAL, TOTAL .....	3,250	3,425	3,304	3,292	3,393	5.4	-3.5	-4	3.1
DEPT OF HED, TOTAL .....	2,848	2,963	2,766	2,736	2,833	4.0	-6.6	-1.1	3.5
NIH .....	2,670	2,723	2,505	2,622	2,702	2.0	-8.0	4.7	3.1
OTHER HED .....	178	240	261	114	131	34.8	8.7	-56.3	14.9
NSF .....	240	284	302	313	343	18.3	6.3	3.6	9.6
ALL OTHER FEDERAL .....	162	178	236	243	217	9.9	32.6	3.0	-10.7
INSTITUTIONAL SUPPORT .....	2,662	2,744	2,961	3,123	3,023	3.1	7.9	5.5	-3.2
OTHER OUTSIDE SUPPORT .....	447	448	520	537	604	+2	16.1	3.3	12.5
SELF-SUPPORT .....	1,799	2,047	1,969	1,904	1,893	13.8	-3.8	-3.3	-6
<b>HEALTH SCIENCES:</b>									
TOTAL, ALL SOURCES.....	2,944	3,104	3,384	4,137	4,748	5.4	9.0	22.3	14.8
FEDERAL, TOTAL .....	1,138	1,014	1,135	1,757	2,012	-10.9	11.9	54.8	14.5
DEPT OF HED, TOTAL .....	975	911	1,061	1,631	1,765	-6.6	16.5	53.7	8.2
NIH .....	309	263	230	222	160	-14.9	-12.5	3.5	-27.9
OTHER HED .....	666	648	831	1,409	1,605	-2.7	28.2	69.6	13.9
NSF .....	13	14	12	9	14	7.7	-14.3	-25.0	55.6
ALL OTHER FEDERAL .....	150	89	82	117	233	-40.7	-30.3	88.7	99.1
INSTITUTIONAL SUPPORT .....	521	540	424	505	650	3.6	-21.5	19.1	28.7
OTHER OUTSIDE SUPPORT .....	206	167	206	252	314	-18.9	23.4	22.3	24.6
SELF-SUPPORT .....	1,079	1,383	1,619	1,623	1,772	28.2	17.1	.2	9.2
<b>PSYCHOLOGY:</b>									
TOTAL, ALL SOURCES.....	5,763	6,339	7,645	7,798	7,678	10.0	20.6	2.0	-1.5
FEDERAL, TOTAL .....	2,261	1,326	1,248	1,229	1,390	5.2	-5.9	-1.5	13.1
DEPT OF HED, TOTAL .....	1,958	955	895	865	1,064	-3	-6.3	-3.4	23.0
NIH .....	417	407	377	335	466	-2.4	-7.4	-11.1	39.1
OTHER HED .....	541	548	518	530	598	1.3	-5.5	2.3	12.8
NSF .....	93	115	99	98	85	23.7	-13.9	-1.0	-13.3
ALL OTHER FEDERAL .....	210	256	254	266	241	21.9	7.8	4.7	-9.4
INSTITUTIONAL SUPPORT .....	1,568	1,667	1,826	2,055	1,996	6.3	9.5	-12.5	-2.9
OTHER OUTSIDE SUPPORT .....	343	307	301	311	429	-10.5	-2.0	3.3	37.9
SELF-SUPPORT .....	2,591	3,039	4,270	4,203	3,863	17.3	-40.5	-1.6	-8.1
<b>SOCIAL SCIENCES:</b>									
TOTAL, ALL SOURCES.....	13,547	15,984	15,143	15,842	15,739	18.0	-5.3	4.6	.7
FEDERAL, TOTAL .....	2,160	1,751	1,408	1,837	1,662	-18.9	-19.6	30.5	-9.5
DEPT OF HED, TOTAL .....	966	728	609	635	616	-24.6	-16.3	4.3	-3.0
NIH .....	286	234	181	172	455	418.2	-22.6	-5.0	-9.9
OTHER HED .....	680	494	428	463	461	-27.4	-13.4	8.2	-4
NSF .....	372	332	281	271	244	-10.8	-15.4	-3.6	-10.0
ALL OTHER FEDERAL .....	822	691	518	931	802	-15.9	-25.0	79.7	-13.9
INSTITUTIONAL SUPPORT .....	4,155	4,597	4,660	4,751	4,918	10.6	1.4	2.0	3.5
OTHER OUTSIDE SUPPORT .....	1,619	1,518	1,555	1,578	1,524	-6.2	2.4	1.5	-3.4
SELF-SUPPORT .....	5,613	8,118	7,520	7,676	7,635	44.6	-7.4	2.1	-2.5

NOTE: INSTITUTIONAL SUPPORT INCLUDES SUPPORT FROM STATE AND LOCAL GOVERNMENTS. OTHER OUTSIDE SUPPORT INCLUDES SUPPORT FROM NONPROFIT INSTITUTIONS, PRIVATE INDUSTRY, AND ALL OTHER U.S. AND FOREIGN SOURCES.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE A-23. PART-TIME GRADUATE STUDENTS IN PUBLICLY CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	43,305	50,291	50,135	52,500	55,680	16.1	-0.3	4.7	6.1	
ENGINEERING .....	12,505	13,336	13,527	14,071	14,007	6.6	1.4	4.0	-5	
AERONAUTICAL .....	322	351	250	251	255	9.0	-28.8	-4	1.6	
AGRICULTURAL .....	95	98	133	116	149	3.2	35.7	-12.8	28.4	
BIOMEDICAL .....	17	35	93	46	72	105.9	165.7	-50.5	56.5	
CHEMICAL .....	830	955	899	761	810	15.1	-5.9	-15.4	6.4	
CIVIL .....	2,386	2,668	2,524	2,691	2,632	11.8	-5.4	6.6	-2.2	
ELECTRICAL .....	3,553	3,416	3,282	3,589	3,571	3.9	-3.9	9.4	-5	
ENGINEERING SCIENCE .....	649	669	711	663	621	3.1	6.3	-6.8	-6.3	
INDUSTRIAL .....	1,379	1,835	2,105	2,317	2,243	33.1	14.7	10.1	-3.2	
MECHANICAL .....	1,832	1,844	1,821	1,825	1,867	.7	-1.2	2.2	2.3	
METALLURGICAL/MATERIALS .....	292	314	262	269	262	7.5	-16.6	2.7	-2.6	
MINING .....	46	61	101	116	113	32.6	65.6	14.9	-2.6	
NUCLEAR .....	204	179	221	198	183	-12.3	23.5	-10.4	-7.6	
PETROLEUM .....	10	16	32	46	63	60.0	100.0	43.8	37.0	
ENGINEERING, N.E.C. ....	890	895	1,093	1,183	1,166	.6	22.1	8.2	-1.4	
" PHYSICAL SCIENCES .....	1,931	2,014	1,996	1,900	2,039	4.3	-.9	-4.8	7.3	
ASTRONOMY .....	55	46	58	39	37	-16.4	15.2	-26.4	-5.1	
CHEMISTRY .....	1,190	1,280	1,244	1,189	1,249	7.6	-2.8	-4.4	5.0	
PHYSICS .....	663	675	671	629	708	1.8	-.6	-6.3	12.6	
PHYSICAL SCIENCES, N.E.C. ....	23	13	28	43	45	-43.5	115.4	-3.6	4.7	
ENVIRONMENTAL SCIENCES .....	1,395	1,672	1,727	1,824	1,775	19.9	3.3	5.6	-2.7	
ATMOSPHERIC SCIENCES .....	78	90	98	109	120	15.4	8.9	11.2	10.1	
GEOSCIENCES .....	822	868	922	976	1,045	5.6	6.2	5.9	7.1	
OCEANOGRAPHY .....	154	270	240	262	229	75.3	-11.1	9.2	-12.6	
ENVIRONMENTAL SCIENCES, N.E.C. ....	341	444	467	477	381	30.2	5.2	2.1	-20.1	
MATHEMATICAL SCIENCES .....	4,515	4,941	4,975	4,593	4,881	9.4	.7	-7.7	6.3	
COMPUTER SCIENCE .....	1,852	2,085	2,200	2,089	2,377	12.6	5.5	-5.0	13.8	
MATHEMATICS AND APPLIED MATHEMATICS .....	2,384	2,558	2,500	2,247	2,239	7.3	-2.3	-10.1	-4	
STATISTICS .....	279	298	275	257	265	6.8	-7.7	-6.5	3.1	
LIFE SCIENCES .....	8,724	10,340	10,972	12,738	14,034	18.5	6.1	16.1	10.2	
AGRICULTURAL SCIENCES .....	1,449	1,641	1,647	1,749	1,922	13.3	.4	6.2	9.9	
BIOLOGICAL SCIENCES .....	3,850	4,186	4,299	4,692	4,985	8.7	2.7	9.1	6.2	
ANATOMY .....	70	62	54	64	65	-11.4	-12.9	18.5	1.6	
BIOCHEMISTRY .....	186	221	183	175	189	18.8	-17.2	-4.4	8.0	
BIOLOGY .....	1,348	1,458	1,514	1,521	1,547	16.8	3.8	.5	1.7	
BIOMETRY/EPIDEMIOLOGY .....	62	60	49	90	99	-3.2	-18.3	83.7	10.0	
BIOPHYSICS .....	40	88	24	21	16	120.0	-72.7	-12.5	-23.8	
BOTANY .....	197	234	259	272	253	18.8	10.7	5.0	-7.0	
CELL BIOLOGY .....	12	10	15	26	16	-16.7	50.0	73.3	-38.5	
ECOLOGY .....	42	68	101	81	85	61.9	48.5	-19.8	4.9	
ENTOMOLOGY/PARASITOLOGY .....	165	184	178	210	196	11.5	-3.3	18.0	-6.7	
GENETICS .....	31	50	34	32	38	61.3	-32.0	-5.9	18.8	
MICROBIOLOGY .....	362	290	377	398	474	-19.9	30.0	5.6	19.1	
NUTRITION .....	395	327	415	671	781	-2.4	26.9	61.7	16.4	
PATHOLOGY .....	91	136	90	138	111	49.5	-33.8	53.3	-19.6	
PHARMACOLOGY .....	79	58	73	76	78	-26.6	25.9	4.1	2.6	
PHYSIOLOGY .....	253	168	172	123	188	-33.6	2.4	-28.5	52.8	
ZOOLOGY .....	397	446	406	417	431	12.3	-9.0	2.7	3.4	
BIOSCIENCES, N.E.C. ....	280	326	393	377	418	16.4	8.9	6.2	10.9	
HEALTH SCIENCES .....	3,425	4,513	5,026	6,297	7,127	31.8	11.4	25.3	13.2	
ANESTHESIOLOGY .....	0	0	0	0	0	**	**	**	**	
CARDIOLOGY .....	0	0	2	0	0	**	**	-100.0	**	
CLINICAL PHARMACOLOGY .....	1	1	0	0	0	0	-100.0	**	**	
DENTISTRY .....	109	114	106	119	144	4.6	-7.0	12.3	21.0	
ENDOCRINOLOGY .....	3	0	2	2	3	-100.0	**	0	50.0	
GASTROENTEROLOGY .....	1	0	0	0	0	-100.0	**	**	**	
HEMATOLOGY .....	0	0	0	0	0	**	**	**	**	
NEUROLOGY .....	5	3	2	1	1	-40.0	-33.3	-50.0	0	
NURSING .....	1,381	1,821	2,333	3,185	3,671	31.9	28.1	36.5	15.3	
OBSTETRICS/GYNECOLOGY .....	12	2	5	0	1	-83.3	150.0	-100.0	**	
OPHTHALMOLOGY .....	2	5	4	6	1	150.0	-20.0	50.0	-83.3	
OTORHINOLARYNGOLOGY .....	0	4	0	1	0	**	0	-100.0	**	
PEDIATRICS .....	27	21	33	2	0	-22.2	57.1	-93.9	-100.0	
PHARMACEUTICAL SCIENCES .....	242	229	210	218	228	-5.4	-8.3	3.8	4.6	
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	381	519	687	814	908	36.2	32.4	18.5	11.5	
PSYCHIATRY .....	76	33	32	20	27	-56.6	-3.0	37.5	35.0	
PULMONARY DISEASE .....	0	0	0	0	0	**	**	**	**	
RADIOLOGY .....	42	58	12	40	32	38.1	-79.3	233.3	-20.0	
SPEECH PATH/AUDIOLOGY .....	743	1,012	871	1,144	1,183	36.2	-13.9	31.3	3.4	
SURGERY .....	30	10	8	7	7	-66.7	-20.0	-12.5	0	
VETERINARY SCIENCES .....	152	170	170	190	239	11.8	0	11.8	25.8	
CLINICAL MEDICINE, N.E.C. ....	38	27	40	50	69	-28.9	48.1	25.0	38.0	
HEALTH RELATED, N.E.C. ....	180	484	505	499	612	168.9	4.3	-1.2	22.6	
PSYCHOLOGY .....	2,735	3,603	2,987	3,233	3,313	31.7	-17.1	8.2	2.5	
SOCIAL SCIENCES .....	11,500	14,385	13,951	14,141	15,631	25.1	-3.0	1.4	10.5	
AGRICULTURAL ECONOMICS .....	156	223	222	246	231	42.9	-.4	10.8	-6.1	
ANTHROPOLOGY .....	761	871	928	869	995	14.5	6.5	-6.4	-14.5	
ECONOMICS (EXCEPT AGRICULTURAL) .....	1,669	1,675	1,662	1,597	1,792	-.4	-.8	-3.9	12.2	
GEOGRAPHY .....	724	722	779	750	725	-.3	7.9	-3.7	-3.3	
HISTORY AND PHILOSOPHY OF SCIENCE .....	12	23	29	28	21	91.7	26.1	-3.4	25.0	
LINGUISTICS .....	385	520	506	689	800	35.1	8.8	21.7	16.1	
POLITICAL SCIENCE .....	3,888	4,909	4,695	4,846	5,185	26.3	-4.4	3.2	7.0	
SOCIOLOGY .....	2,342	2,671	2,398	2,088	2,431	14.0	-10.2	-12.9	16.4	
SOCIOLOGY/ANTHROPOLOGY .....	260	343	362	231	216	31.9	5.5	-36.2	-6.5	
SOCIAL SCIENCES, N.E.C. ....	1,303	2,428	2,310	2,797	3,235	86.3	4.9	21.1	15.7	

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE A-24. PART-TIME GRADUATE STUDENTS IN PRIVATELY-CONTROLLED DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE			
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	28,096	34,507	38,556	39,039	38,714	22.8	3.0	-0.8		
ENGINEERING .....	10,923	14,649	14,682	15,863	15,067	34.1	-2			
AERONAUTICAL .....	97	73	45	63	56	-24.7	-38.4	-11.1		
AGRICULTURAL .....	2	1	1	0	0	-50.0	-0	0		
BIDMEDICAL .....	96	84	78	108	108	-12.5	-7.1	3.5		
CHEMICAL .....	562	490	517	502	505	-12.8	5.5	-2.9		
CIVIL .....	1,719	1,937	1,832	1,770	1,682	12.7	-5.4	-3.4	-5.0	
ELECTRICAL .....	4,184	4,113	3,970	4,526	4,552	-1.7	-3.5	1.0	0.6	
ENGINEERING SCIENCE .....	84	58	29	34	34	-31.0	-50.0	17.2	0.0	
INDUSTRIAL .....	1,966	5,493	5,785	5,867	5,247	179.4	5.3	1.4	-10.6	
MECHANICAL .....	1,466	1,301	1,137	1,475	1,332	-11.3	-12.6	29.7	-9.7	
METALLURGICAL/MATERIALS .....	309	303	292	295	280	-1.9	-3.6	1.0	-5.1	
MINING .....	3	5	6	5	5	66.7	20.0	-16.7	0.0	
NUCLEAR .....	226	191	157	133	97	-15.5	-17.8	-15.3	-27.1	
PETROLEUM .....	34	58	21	33	37	70.6	-63.8	57.1	12.1	
ENGINEERING, N.E.C. ....	175	542	812	1,052	1,132	209.7	49.8	29.6	7.6	
PHYSICAL SCIENCES .....	1,395	1,327	1,471	1,447	1,347	-4.9	10.9	-1.6	-6.9	
ASTRONOMY .....	4	5	7	4	0	25.0	40.0	-42.9	-100.0	
CHEMISTRY .....	866	838	875	925	880	-3.2	4.4	5.7	-4.9	
PHYSICS .....	495	420	427	362	315	-15.2	1.7	-15.2	-13.0	
PHYSICAL SCIENCES, N.E.C. ....	306	64	162	156	152	113.3	153.1	-5.7	-2.6	
ENVIRONMENTAL SCIENCES .....	358	334	318	424	370	-6.7	-4.8	33.3	-12.7	
ATMOSPHERIC SCIENCES .....	90	15	10	3	1	-83.3	-33.3	-70.0	-66.7	
GEOSCIENCES .....	199	256	238	219	197	28.6	-7.0	-8.0	-10.0	
OCEANOGRAPHY .....	62	58	55	167	138	-6.5	-5.2	203.6	-17.4	
ENVIRONMENTAL SCIENCES, N.E.C. ....	7	5	15	35	34	-28.6	200.0	133.3	-2.9	
MATHEMATICAL SCIENCES .....	2,386	2,342	2,349	2,624	3,046	-1.8	.3	11.7	16.1	
COMPUTER SCIENCE .....	715	815	877	1,186	1,702	14.0	7.6	35.2	43.5	
MATHEMATICS AND APPLIED MATHEMATICS .....	1,596	1,432	1,372	1,353	1,263	-10.3	-4.2	-1.4	-6.7	
STATISTICS .....	75	95	100	85	81	26.7	5.3	-15.0	-4.7	
LIFE SCIENCES .....	3,126	3,570	4,149	6,194	6,190	14.2	16.2	49.3	-0.9	
AGRICULTURAL SCIENCES .....	12	11	9	16	15	-8.3	-18.2	77.8	-6.3	
BIOLOGICAL SCIENCES .....	1,804	2,139	2,197	2,582	2,256	18.6	2.7	17.5	-12.6	
ANATOMY .....	23	22	20	38	23	-4.3	-9.1	90.0	-39.5	
BIOCHEMISTRY .....	83	71	66	65	87	-14.5	-7.0	-1.5	33.8	
BIOLOGY .....	1,033	1,388	1,442	1,532	1,249	34.4	3.9	6.2	-18.5	
BIOBETRY/EPIDEBIOLOGY .....	62	42	45	68	58	-32.3	7.1	51.1	-14.7	
BIOPHYSICS .....	3	4	4	2	0	33.3	0	-50.0	-100.0	
BOTANY .....	29	35	41	25	32	20.7	17.1	-39.0	28.0	
CELL BIOLOGY .....	10	11	15	9	5	10.0	36.4	-40.0	-44.4	
ECOLOGY .....	0	0	1	0	0	0	0	-100.0	0	
ENTOMOLOGY/PARASITOLOGY .....	3	0	0	3	4	-100.0	0	0	33.3	
GENETICS .....	7	10	37	61	50	-41.2	270.0	10.8	22.0	
HICROBIOLOGY .....	87	100	96	125	83	14.9	-4.0	30.2	-33.6	
NUTRITION .....	41	61	76	130	90	48.8	24.6	71.1	-30.8	
PATHOLOGY .....	42	29	24	75	93	-31.0	-17.2	212.5	24.0	
PHARMACOLOGY .....	43	42	41	47	60	-2.3	-2.4	14.6	27.7	
PHYSIOLOGY .....	109	92	94	79	113	-15.6	2.2	-16.0	43.0	
ZOOLOGY .....	46	16	6	19	27	-65.2	-62.5	216.7	42.1	
BIOSCIENCES, N.E.C. ....	173	216	189	324	282	24.9	-12.5	71.4	-13.0	
HEALTH SCIENCES .....	1,310	1,420	1,943	3,596	3,869	8.4	36.8	85.1	7.6	
ANESTHESIOLOGY .....	0	0	0	2	3	0	0	0	50.0	
CARDIOLOGY .....	4	1	0	2	0	-75.0	-100.0	0	-100.0	
CLINICAL PHARMACOLOGY .....	1	0	0	0	2	-100.0	0	0	0	
DENTISTRY .....	23	84	78	121	110	265.2	-7.1	55.1	-9.1	
ENDOCRINOLOGY .....	0	0	2	5	0	0	0	150.0	0	
GASTROENTEROLOGY .....	0	4	0	0	0	0	-100.0	0	0	
HEMATOLOGY .....	0	0	1	0	0	0	0	-100.0	0	
NEUROLOGY .....	5	0	7	7	1	-100.0	0	0	-85.7	
NURSING .....	143	180	469	1,558	1,589	25.9	160.6	232.2	2.0	
OBSTETRICS/GYNECOLOGY .....	1	0	2	2	2	-100.0	0	0	0	
OPHTHALMOLOGY .....	2	0	1	1	0	-100.0	0	0	-100.0	
OTORHINOLARYNGOLOGY .....	3	0	0	1	0	-100.0	0	0	-100.0	
PEDIATRICS .....	3	6	3	3	5	100.0	-50.0	0	66.7	
PHARMACEUTICAL SCIENCES .....	466	611	587	691	723	31.1	-3.9	17.7	4.6	
PREVENTIVE MEDICINE/ COMMUNITY HEALTH .....	140	175	273	383	454	25.0	56.0	40.3	18.5	
PSYCHIATRY .....	16	26	7	13	13	62.5	-73.1	85.7	0	
PULMONARY DISEASE .....	0	0	0	0	0	0	0	0	0	
RADIOLOGY .....	10	2	0	1	1	-80.0	-100.0	0	0	
SPEECH PATH/AUDIOLOGY .....	182	201	175	167	240	10.4	-12.9	-4.6	43.7	
SURGERY .....	2	1	4	11	8	-50.0	300.0	175.0	-27.3	
VETERINARY SCIENCES .....	0	1	0	1	0	0	-100.0	0	-100.0	
CLINICAL MEDICINE, N.E.C. ....	269	0	3	17	37	-100.0	0	466.7	117.6	
HEALTH RELATED, N.E.C. ....	40	128	331	610	681	220.0	158.6	84.3	11.6	
PSYCHOLOGY .....	3,272	3,676	3,812	3,765	3,930	12.3	3.7	-1.2	4.4	
SOCIAL SCIENCES .....	6,636	8,609	8,775	8,722	8,814	29.7	1.9	-0.6	1.1	
AGRICULTURAL ECONOMICS .....	2	0	0	0	0	-100.0	0	0	0	
ANTHROPOLOGY .....	347	475	380	391	367	36.9	-20.0	2.9	-6.1	
ECONOMICS (EXCEPT AGRICULTURAL) .....	1,560	1,222	1,374	1,351	1,116	-21.7	12.4	-1.7	-17.4	
GEOGRAPHY .....	54	63	34	38	39	16.7	-46.0	11.8	2.6	
HISTORY AND PHILOSOPHY OF SCIENCE .....	28	21	23	15	19	-25.0	9.5	-34.8	26.7	
LINGUISTICS .....	189	314	252	366	306	66.1	-19.7	45.2	-16.4	
POLITICAL SCIENCE .....	2,359	4,034	4,281	3,963	4,409	71.0	6.1	-7.4	11.3	
SOCIOLOGY .....	812	815	841	778	606	4	3.2	-7.5	-22.1	
SOCIOLOGY/ANTHROPOLOGY .....	200	241	270	342	350	20.5	12.0	26.7	2.3	
SOCIAL SCIENCES, N.E.C. ....	1,085	1,424	1,320	1,478	1,602	31.2	-7.3	12.0	8.4	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-25. FIRST-YEAR PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	28,844	33,508	31,261	35,087	32,023	16.2	-6.7	12.2	-8.7
ENGINEERING .....	10,395	12,815	11,912	13,045	10,741	23.3	-7.0	9.5	-17.7
AERONAUTICAL .....	122	162	89	127	98	32.8	-45.1	42.7	-22.8
AGRICULTURAL .....	20	28	40	27	36	40.0	92.9	-32.5	33.3
BIOMEDICAL .....	42	35	51	34	41	-16.7	45.7	-33.3	20.6
CHEMICAL .....	590	549	455	502	441	-6.9	-17.1	10.3	-12.2
CIVIL .....	1,637	1,716	1,494	1,512	1,263	4.8	-12.9	1.2	-16.5
ELECTRICAL .....	3,794	3,566	3,311	4,164	3,414	-6.0	-7.2	25.8	-18.0
ENGINEERING SCIENCE .....	313	290	304	223	181	-7.3	4.8	-26.6	-18.8
INDUSTRIAL .....	1,405	4,138	3,966	4,013	3,252	194.5	-4.2	1.2	-19.0
MECHANICAL .....	1,573	1,247	1,185	1,240	998	-20.7	49.09	9.3	-19.5
METALLURGICAL/MATERIALS .....	184	135	128	162	140	-26.6	-5.2	26.6	-13.6
MINING .....	14	16	42	30	29	14.3	162.5	-28.6	+3.3
NUCLEAR .....	207	156	100	79	63	-24.6	-35.9	-21.0	-20.3
PETROLEUM .....	8	19	9	20	23	137.5	-52.6	122.2	15.0
ENGINEERING, N.E.C. ....	486	758	788	912	762	56.0	9.0	15.7	-16.4
PHYSICAL SCIENCES .....	1,049	1,003	996	966	1,003	-4.4	-0.7	-3.0	3.8
ASTRONOMY .....	10	4	17	13	6	-60.0	325.0	+23.5	-53.8
CHEMISTRY .....	698	649	665	621	628	-7.0	2.5	-6.6	1.1
PHYSICS .....	310	301	259	227	289	-2.9	-14.0	-12.4	27.3
PHYSICAL SCIENCES, N.E.C. ....	31	49	55	105	80	58.1	12.2	90.9	-23.8
ENVIRONMENTAL SCIENCES .....	557	598	495	568	476	7.4	-17.2	14.7	-16.2
ATMOSPHERIC SCIENCES .....	35	29	37	23	21	-17.1	27.6	-37.8	-8.7
GEOSCIENCES .....	264	282	211	214	199	6.8	-25.2	1.4	-7.0
OCEANOGRAPHY .....	65	99	65	161	133	52.3	-34.3	147.7	-17.4
ENVIRONMENTAL SCIENCES, N.E.C. ....	193	188	182	170	123	-2.6	-3.2	-6.6	-27.6
MATHEMATICAL SCIENCES .....	3,144	3,279	2,952	3,036	3,136	4.3	-10.0	2.8	3.3
COMPUTER SCIENCE .....	1,311	1,424	1,332	1,485	1,702	8.6	-6.5	11.5	14.6
MATHEMATICS AND APPLIED MATHEMATICS .....	1,746	1,745	1,513	1,481	1,346	-1.1	-13.3	-2.1	-9.1
STATISTICS .....	87	110	107	70	88	26.4	-2.7	-34.6	25.7
LIFE SCIENCES .....	4,829	5,394	5,850	7,583	6,982	11.7	8.5	29.6	-7.9
AGRICULTURAL SCIENCES .....	388	425	421	444	429	9.5	-9	5.5	-3.4
BIOLOGICAL SCIENCES .....	2,086	2,036	2,138	2,387	2,036	-2.4	5.0	11.6	-14.7
ANATOMY .....	34	29	46	18	12	14.7	-44.8	12.5	-33.3
BIOCHEMISTRY .....	105	101	93	87	83	-3.8	-7.9	-6.5	-4.6
BIOLOGY .....	907	992	1,089	1,079	885	9.4	9.8	-9	-18.0
BIOMETRY/EPIDEMILOGY .....	52	34	30	46	43	-34.6	-11.8	53.3	-6.5
BIOPHYSICS .....	8	38	4	4	2	375.0	-89.5	0	-50.0
BOTANY .....	45	49	73	61	56	8.9	49.0	-16.4	-8.2
CELL BIOLOGY .....	8	10	9	8	2	25.0	-10.0	-11.1	-75.0
ECOLOGY .....	14	10	23	22	18	-28.6	130.0	-4.3	-18.2
ENTOMOLOGY/PARASITOLOGY .....	25	39	42	52	44	56.0	7.7	23.8	-15.4
GENETICS .....	24	22	22	16	14	-8.3	0	-27.3	-12.5
MICROBIOLOGY .....	151	109	122	165	128	-27.8	11.9	35.2	-22.4
NUTRITION .....	192	161	197	299	231	-16.1	22.4	51.8	-22.7
PATHOLOGY .....	68	59	29	81	63	-13.2	-50.8	179.3	-22.2
PHARMACOLOGY .....	45	26	29	32	61	-42.2	11.5	10.3	90.6
PHYSIOLOGY .....	142	93	88	85	99	-34.5	-5.4	-3.4	16.5
ZOOLOGY .....	73	85	89	87	98	16.4	4.7	-2.2	12.6
BIOSCIENCES, N.E.C. ....	193	179	183	245	197	-7.3	2.2	33.9	-19.6
HEALTH SCIENCES .....	2,355	2,933	3,291	4,752	4,517	24.5	12.2	44.4	-4.9
ANESTHESIOLOGY .....	0	0	0	2	2	0	0	0	0
CARDIOLOGY .....	2	1	0	0	0	-50.0	-100.0	0	0
CLINICAL PHARMACOLOGY .....	0	1	0	0	0	0	0	0	0
DENTISTRY .....	37	53	38	68	44	43.2	-28.3	78.9	-35.3
ENDOCRINOLOGY .....	2	0	0	2	1	-100.0	0	0	-50.0
GASTROENTEROLOGY .....	0	0	0	0	0	0	0	0	0
HEMATOLOGY .....	0	0	1	0	0	0	0	-100.0	0
NEUROLOGY .....	0	3	0	0	1	0	0	0	0
NURSING .....	1,037	1,351	1,688	2,590	2,344	26.6	24.9	53.4	-9.5
OBSTETRICS/GYNECOLOGY .....	4	1	2	0	1	-75.0	100.0	-100.0	0
OPHTHALMOLOGY .....	0	0	1	0	0	0	0	-100.0	0
OTORHINOLARYNGOLOGY .....	1	1	0	0	1	0	-100.0	0	0
PEDIATRICS .....	10	2	30	3	0	-80.0	1400.0	-90.0	-100.0
PHARMACEUTICAL SCIENCES .....	231	285	277	291	328	23.4	-2.8	5.1	12.7
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	246	319	452	539	573	29.7	-41.7	19.2	6.3
PSYCHIATRY .....	17	8	7	3	7	-52.9	-12.5	-57.1	133.3
PULMONARY DISEASE .....	0	0	0	0	0	0	0	0	0
RADIOLOGY .....	26	16	0	10	10	-38.5	-100.0	0	0
SPEECH PATH/AUDIOLOGY .....	456	490	341	502	491	7.5	-30.4	47.2	-2.2
SURGERY .....	21	3	1	3	1	-85.7	-66.7	200.0	-66.7
VETERINARY SCIENCES .....	55	66	45	61	73	20.0	-31.8	35.6	19.7
CLINICAL MEDICINE, N.E.C. ....	62	8	13	17	47	-87.1	62.5	30.8	176.5
HEALTH RELATED, N.E.C. ....	118	325	395	661	593	175.4	21.5	67.3	-10.3
PSYCHOLOGY .....	1,939	1,971	1,585	1,686	1,543	1.7	-19.6	6.4	-8.5
SOCIAL SCIENCES .....	6,931	8,448	7,471	8,203	8,142	21.9	-11.6	9.8	-7
AGRICULTURAL ECONOMICS .....	24	50	67	62	40	108.3	34.0	-7.5	-35.5
ANTHROPOLOGY .....	212	247	262	232	201	16.5	6.1	-11.5	-13.4
ECONOMICS (EXCEPT AGRICULTURAL) .....	1,074	912	764	817	764	-15.1	-16.2	6.9	-6.5
GEOGRAPHY .....	154	159	191	179	155	3.2	20.1	-6.3	-13.4
HISTORY AND PHILOSOPHY OF SCIENCE .....	10	4	7	4	9	-60.0	75.0	-42.9	125.0
LINGUISTICS .....	223	251	287	366	406	12.6	14.3	27.5	10.9
POLITICAL SCIENCE .....	2,706	8,488	2,978	3,323	3,375	28.9	-14.6	11.6	1.6
SOCIOLOGY .....	984	1,053	989	876	778	7.0	-6.1	-11.4	-11.2
SOCIOLOGY/ANTHROPOLOGY .....	166	178	135	136	148	7.2	-24.2	7	8.8
SOCIAL SCIENCES, N.E.C. ....	1,378	2,106	1,791	2,208	2,266	52.8	-15.0	23.3	2.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-26. PART-TIME GRADUATE STUDENTS BEYOND FIRST YEAR IN ALL DOCTORATE-GRANTING INSTITUTIONS  
BY FIELD OF SCIENCE: 1974-78

FIELD OF SCIENCE	NUMBER					PERCENT CHANGE				
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78	
TOTAL, ALL FIELDS .....	42,557	51,290	54,430	56,452	62,371	20.5	6.1	3.7	10.5	
ENGINEERING .....	13,033	15,170	16,297	16,889	18,333	16.4	7.4	3.6	8.5	
AERONAUTICAL .....	297	262	206	187	213	-11.8	-21.4	-9.2	13.9	
AGRICULTURAL .....	77	71	94	89	113	-7.8	32.4	-5.3	27.0	
BIOMEDICAL .....	71	84	120	120	139	18.3	42.9	-0	15.8	
CHEMICAL .....	802	896	961	761	874	11.7	7.3	-20.8	14.8	
CIVIL .....	2,468	2,889	2,862	2,949	3,051	17.1	-0.9	3.0	3.5	
ELECTRICAL .....	3,943	3,963	3,941	3,951	4,709	-5	-6	-3	19.2	
ENGINEERING SCIENCE .....	420	437	436	474	474	4.0	-2	8.7	0	
INDUSTRIAL .....	1,940	3,190	3,924	4,171	4,238	64.4	23.0	6.3	1.6	
MECHANICAL .....	1,725	1,898	1,823	2,060	2,201	10.0	-4.0	13.0	6.8	
METALLURGICAL/MATERIALS .....	417	482	426	402	402	15.6	-11.6	-5.6	0	
HIGHWAY .....	35	50	65	91	89	42.9	30.0	40.0	-2.2	
NUCLEAR .....	223	214	278	252	217	-4.0	29.9	-9.4	-13.9	
PETROLEUM .....	36	55	44	59	77	52.8	-20.0	39.1	30.5	
ENGINEERING, N.E.C. ....	579	679	1,117	1,323	1,536	17.3	64.5	18.4	16.1	
PHYSICAL SCIENCES .....	2,277	2,338	2,471	2,381	2,383	2.7	-5.7	-3.6	.1	
ASTRONOMY .....	49	47	43	30	31	-4.1	-8.5	-30.2	3.3	
CHEMISTRY .....	1,358	1,469	1,454	1,493	1,501	8.2	-1.0	2.7	.5	
PHYSICS .....	848	794	839	764	734	-6.4	5.7	-8.9	-3.9	
PHYSICAL SCIENCES, N.E.C. ....	22	28	135	94	117	27.3	382.1	-30.4	24.6	
ENVIRONMENTAL SCIENCES .....	1,196	1,408	1,550	1,680	1,669	17.7	10.1	8.4	-7	
ATMOSPHERIC SCIENCES .....	133	76	71	89	100	-42.9	-6.6	25.4	12.4	
GEOSCIENCES .....	757	842	949	981	1,083	11.2	12.7	3.4	6.3	
OCEANOGRAPHY .....	151	229	230	268	234	51.7	-4	16.9	-12.7	
ENVIRONMENTAL SCIENCES, N.E.C. ....	155	261	300	342	4292	68.4	14.9	14.0	-14.6	
MATHEMATICAL SCIENCES .....	3,757	4,004	4,372	4,181	4,791	6.6	9.2	-4.4	14.6	
COMPUTER SCIENCE .....	1,256	1,476	1,745	1,790	2,377	17.5	18.2	2.6	32.8	
MATHEMATICS AND APPLIED MATHEMATICS .....	2,234	2,245	2,359	2,119	2,156	-5	5.1	-10.2	1.7	
STATISTICS .....	267	283	268	272	258	6.0	-5.3	1.5	-5.1	
LIFE SCIENCES .....	7,021	8,516	9,271	11,349	13,192	21.8	8.9	22.4	16.2	
AGRICULTURAL SCIENCES .....	1,073	1,227	1,235	1,321	1,508	14.4	.7	3.0	14.2	
BIOLOGICAL SCIENCES .....	3,568	4,289	4,358	4,887	5,205	20.2	1.6	12.1	6.5	
ANATOMY .....	59	55	58	84	76	-6.8	5.5	44.8	-9.5	
BIOCHEMISTRY .....	164	191	156	153	193	16.5	-18.3	-1.9	26.1	
BIOLOGY .....	1,374	1,854	1,867	1,974	1,911	34.9	.7	5.7	-3.2	
EPIDEMIOLOGY/EPIDEMIOLOGY .....	72	68	64	112	114	-5.6	-5.9	75.0	1.8	
BIOPHYSICS .....	35	54	24	19	14	54.3	-55.6	-20.8	-26.3	
BOTANY .....	181	220	227	236	229	21.5	3.2	4.0	-3.0	
CELL BIOLOGY .....	14	11	21	27	19	-21.4	90.9	28.6	-29.6	
ECOLOGY .....	28	58	79	59	67	107.1	36.2	-25.3	13.6	
ENTOMOLOGY/PARASITOLOGY .....	143	145	136	161	156	-1.4	-6.2	18.4	-3.1	
GENETICS .....	24	38	49	57	74	58.3	28.9	16.3	29.8	
MICROBIOLOGY .....	298	281	351	358	429	-5.7	24.9	2.0	19.8	
NUTRITION .....	184	227	294	502	640	23.4	29.5	70.7	27.5	
PATHOLOGY .....	65	106	85	132	141	63.1	-19.8	55.3	6.8	
PHARMACOLOGY .....	77	74	85	91	77	-3.9	14.9	7.1	-15.4	
PHYSIOLOGY .....	220	167	178	117	202	-24.1	6.6	-39.3	72.6	
ZOOLOGY .....	370	377	323	349	360	1.9	-14.3	8.0	3.2	
BIOSCIENCES, N.E.C. ....	260	363	361	456	503	39.6	-.6	26.3	10.3	
HEALTH SCIENCES .....	2,380	3,000	3,678	5,141	6,479	26.1	22.6	39.8	26.0	
ANESTHESIOLOGY .....	0	0	0	0	1	0	0	0	0	
CARDIOLOGY .....	2	0	2	2	0	-100.0	0	0	-100.0	
CLINICAL PHARMACOLOGY .....	2	0	0	0	2	-100.0	0	0	0	
DENTISTRY .....	95	145	146	172	210	52.6	.7	17.8	22.1	
ENDOCRINOLOGY .....	1	0	4	5	2	-100.0	0	0	0	
GASTROENTEROLOGY .....	1	4	0	0	0	300.0	-100.0	0	0	
HEMATOLOGY .....	0	0	0	0	0	0	0	0	0	
NEUROLOGY .....	10	0	9	8	1	-100.0	0	-11.1	-87.5	
NURSING .....	457	650	1,114	2,153	2,916	42.2	71.4	93.3	35.4	
OBSTETRICS/GYNECOLOGY .....	9	1	5	2	2	-88.9	400.0	-60.0	0	
OPHTHALMOLOGY .....	4	5	4	7	1	25.0	-20.0	75.0	-85.7	
OTORHINOLARYNGOLOGY .....	2	3	4	1	0	50.0	33.3	-75.0	-100.0	
PEDIATRICS .....	20	25	6	2	5	25.0	-76.0	-66.7	150.0	
PHARMACEUTICAL SCIENCES .....	477	555	520	618	623	16.4	-6.3	18.8	.8	
PREVENTIVE MEDICINE/COMMUNITY HEALTH .....	275	375	508	658	789	36.4	35.5	29.5	19.9	
PSYCHIATRY .....	75	51	32	30	33	-32.0	-37.3	-6.3	10.0	
PULMONARY DISEASE .....	0	0	0	0	0	0	0	0	0	
RADIOLOGY .....	26	44	12	31	23	69.2	-72.7	158.3	-25.8	
SPEECH PATH/AUDIOLOGY .....	469	723	705	809	932	54.2	-2.5	14.8	15.2	
SURGERY .....	11	8	11	15	14	-27.3	37.5	36.4	-6.7	
VETERINARY SCIENCES .....	97	105	125	130	166	8.2	19.0	4.0	27.7	
CLINICAL MEDICINE, N.E.C. ....	245	19	30	50	59	-92.2	57.9	66.7	18.0	
HEALTH RELATED, N.E.C. ....	102	287	441	448	700	181.4	53.7	1.6	56.3	
PSYCHOLOGY .....	4,068	5,308	5,214	5,312	5,700	30.5	-1.8	1.9	7.3	
SOCIAL SCIENCES .....	11,205	14,546	15,255	14,660	16,303	29.8	4.9	-3.9	11.2	
AGRICULTURAL ECONOMICS .....	134	173	155	184	191	29.1	-10.4	18.7	3.8	
ANTHROPOLOGY .....	896	1,099	1,046	1,028	1,161	22.7	-4.8	-1.7	12.9	
ECONOMICS (EXCEPT AGRICULTURAL) .....	2,155	1,985	2,272	2,131	2,144	-7.9	14.5	-6.2	.6	
GEOGRAPHY .....	624	626	622	609	609	.3	-.6	-2.1	0	
HISTORY AND PHILOSOPHY OF SCIENCE .....	30	40	45	39	31	33.3	12.5	-13.3	-20.5	
LINGUISTICS .....	351	583	531	689	700	66.1	-8.9	29.8	1.6	
POLITICAL SCIENCE .....	3,541	5,455	5,998	4,486	6,219	54.1	10.0	-8.5	13.4	
SOCIOLOGY .....	2,170	3,433	2,250	1,990	2,259	12.1	-7.5	-11.6	13.5	
SOCIOLOGY/ANTHROPOLOGY .....	294	406	497	437	418	38.1	22.4	-12.1	-4.3	
SOCIAL SCIENCES, N.E.C.s .....	1,010	1,746	1,839	2,067	2,571	72.9	5.3	12.4	24.4	

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE A-27. PART-TIME GRADUATE STUDENTS IN ALL DOCTORATE-GRANTING INSTITUTIONS BY GEOGRAPHIC DISTRIBUTION: 1974-78

DIVISION AND STATE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
UNITED STATES TOTAL .....	71,401	84,798	85,691	91,539	94,394	18.8	1.1	6.8	3.1
NEW ENGLAND .....	4,682	5,222	5,100	6,509	5,899	11.5	-2.3	8.0	7.1
CONNECTICUT .....	351	541	575	374	435	54.1	6.3	35.0	16.3
MAINE .....	98	82	123	91	109	-16.3	50.0	-26.0	19.8
MASSACHUSETTS .....	3,616	3,937	3,807	4,424	7,713	8.9	-3.3	16.2	6.5
NEW HAMPSHIRE .....	92	65	75	91	136	-29.3	15.4	21.3	49.5
RHODE ISLAND .....	400	498	420	394	400	24.5	-15.7	-6.2	1.5
VERMONT .....	125	99	100	135	106	-20.8	1.0	35.0	-21.5
MIDDLE ATLANTIC .....	20,952	24,143	22,877	24,510	23,655	15.2	-5.2	7.1	-3.5
NEW JERSEY .....	4,865	5,554	5,103	5,285	5,905	14.2	-8.1	3.6	-4
NEW YORK .....	11,694	13,810	12,557	14,060	13,296	18.1	-9.4	12.0	-5.4
PENNSYLVANIA .....	4,393	4,779	5,217	5,165	5,054	8.8	9.2	-1.0	-2.1
EAST NORTH CENTRAL .....	11,303	12,475	12,840	13,604	14,689	10.4	2.9	6.0	8.0
ILLINOIS .....	2,693	2,752	2,908	3,791	4,077	2.2	5.7	30.4	-7.5
INDIANA .....	1,107	1,199	1,467	1,498	1,436	8.3	22.4	2.1	-4.1
MICHIGAN .....	2,133	2,353	2,313	2,207	2,610	10.3	-1.7	-9.6	18.3
OHIO .....	3,764	4,377	4,346	4,491	4,891	-16.3	3.3	8.9	-4.9
WISCONSIN .....	1,606	1,794	1,806	1,617	1,675	11.7	.7	-10.5	3.6
WEST NORTH CENTRAL .....	4,880	4,852	5,007	5,677	6,178	-6	3.2	13.4	8.8
IOWA .....	1,098	711	842	905	1,069	-35.2	18.4	7.5	18.1
KANSAS .....	707	889	879	1,085	1,351	25.7	-1.1	23.4	24.5
MINNESOTA .....	689	812	735	761	764	17.9	-9.5	3.5	-4
MISSOURI .....	1,666	1,741	1,815	1,830	1,849	4.5	4.3	.8	-0.0
NEBRASKA .....	397	455	539	783	747	14.6	18.5	45.3	-4.6
NORTH DAKOTA .....	122	111	108	229	225	-9.0	-2.7	112.0	-1.7
SOUTH DAKOTA .....	201	133	89	84	173	-33.8	-33.1	-5.6	106.0
SOUTH ATLANTIC .....	10,177	12,142	14,009	15,482	16,516	19.3	15.4	10.5	6.7
DELAWARE .....	293	318	330	254	249	8.5	3.8	-23.0	-2.0
DISTRICT OF COLUMBIA .....	3,303	3,522	4,371	5,296	5,215	6.6	24.1	21.2	-1.5
FLORIDA .....	1,169	2,052	2,243	2,255	2,976	75.5	9.3	.5	32.0
GEORGIA .....	968	1,202	1,216	1,060	1,136	24.2	1.2	-12.8	7.2
MARYLAND .....	1,717	1,661	2,167	2,274	2,276	-3.3	30.5	4.9	-1
NORTH CAROLINA .....	845	931	920	1,116	1,136	10.2	-1.2	21.3	1.8
SOUTH CAROLINA .....	402	706	791	896	1,012	75.6	12.0	13.3	12.9
VIRGINIA .....	1,229	1,374	1,497	1,589	1,678	11.8	-9.0	6.1	5.6
WEST VIRGINIA .....	251	376	474	742	838	49.8	26.1	56.5	12.9
EAST SOUTH CENTRAL .....	2,478	2,824	3,356	3,545	3,805	14.0	18.8	5.6	7.3
ALABAMA .....	543	693	945	1,102	1,070	27.6	36.4	16.6	-2.9
KENTUCKY .....	469	554	661	701	724	18.1	19.3	6.1	3.3
MISSISSIPPI .....	222	354	390	370	424	59.5	10.2	-3.6	12.8
TENNESSEE .....	1,244	1,223	1,360	1,366	1,587	-1.7	11.2	.4	16.2
WEST SOUTH CENTRAL .....	6,250	7,249	7,283	8,729	9,099	16.0	.5	19.9	4.2
ARKANSAS .....	173	162	195	263	312	-6.4	20.4	34.9	18.6
LOUISIANA .....	775	730	820	874	981	-5.8	12.3	6.6	12.2
OKLAHOMA .....	1,173	991	907	1,049	1,094	-15.5	-8.5	15.7	4.3
TEXAS .....	4,129	5,366	5,361	6,543	6,712	30.0	-1	22.0	2.6
mountain .....	3,601	4,633	4,393	4,632	4,883	28.7	-5.2	5.4	5.4
ARIZONA .....	1,003	1,419	1,262	1,319	1,335	41.5	-11.8	5.4	1.2
COLORADO .....	1,112	1,540	1,368	1,417	1,419	38.5	-11.2	3.6	.1
IDAHO .....	163	142	235	400	396	-12.9	65.5	70.2	-1.0
MONTANA .....	23	47	35	46	85	104.3	-25.5	31.4	84.8
NEVADA .....	93	98	138	123	109	5.4	40.8	-10.9	-11.4
NEW MEXICO .....	603	704	667	596	620	16.7	-5.3	-18.1	13.6
UTAH .....	526	593	681	701	841	-12.7	1.3	16.6	20.0
WYOMING .....	78	90	97	80	78	15.4	7.8	-17.5	-2.5
PACIFIC .....	6,822	10,872	10,428	9,314	9,156	59.4	-1.1	-10.7	-1.7
ALASKA .....	49	42	38	38	28	-14.3	-9.5	.0	-26.3
CALIFORNIA .....	5,609	9,374	8,732	7,700	7,250	67.1	-6.8	-11.8	-5.8
HAWAII .....	107	153	143	170	168	43.0	-6.5	18.9	-1.2
OREGON .....	334	576	597	454	556	72.5	3.6	-24.0	22.5
WASHINGTON .....	728	727	918	952	1,154	.6	26.3	3.7	21.2
OUTLYING AREAS .....	256	386	398	537	514	50.8	3.1	34.9	-4.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-1. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT  
DEPARTMENTAL POPULATION AT DOCTORATE-GRANTING INSTITUTIONS: 1974-78

FIELD OF SCIENCE	NUMBER						PERCENT CHANGE		
	1974	1975	1976	1977	1978	1974-75	1975-76	1976-77	1977-78
TOTAL, ALL FIELDS .....	7,562	7,732	7,846	8,084	8,242	2.2	1.5	3.0	2.0
ENGINEERING .....	1,008	1,015	1,015	1,021	1,020	.7	.0	.6	-.1
AERONAUTICAL	41	39	37	37	36	-4.9	-1.1	.0	-2.7
AGRICULTURAL	45	47	47	45	44	4.4	0.0	-4.3	-2.2
BIOMEDICAL	34	35	36	37	38	2.9	2.9	2.8	2.7
CHEMICAL	118	119	118	120	120	-.8	-8.8	1.7	0.0
CIVIL	139	144	142	144	142	3.6	-1.4	1.4	-1.4
ELECTRICAL	147	147	146	146	146	0.0	-.7	.0	.0
ENGINEERING SCIENCE	59	56	57	56	56	-5.1	1.8	-1.8	.0
INDUSTRIAL	101	103	104	104	101	2.0	1.0	.0	-2.9
MECHANICAL	136	135	134	137	136	-.7	-.7	2.2	-.7
METALLURGICAL/MATERIALS	68	69	67	68	67	1.5	-2.9	1.5	-1.5
MINING	19	18	18	19	20	-5.3	5.0	5.6	5.3
NUCLEAR	32	33	32	31	33	3.1	-3.0	-3.1	6.5
PETROLEUM	13	15	15	14	14	15.4	0.0	-6.7	.0
ENGINEERING, N.E.C.	56	55	62	63	67	-1.8	12.7	1.6	6.3
BASIC SCIENCES .....	515	527	517	519	519	2.3	-1.9	.4	.0
ASTRONOMY	32	34	30	30	31	6.3	-11.8	.0	3.3
CHEMISTRY	242	246	244	244	244	1.7	-.8	.0	.0
PHYSICS	232	237	236	236	235	2.2	-.4	.0	-.4
PHYSICAL SCIENCES, N.E.C.	9	10	7	9	9	11.1	-30.0	28.6	.0
ENVIRONMENTAL SCIENCES .....	257	263	271	279	286	2.3	3.0	3.0	2.5
ATMOSPHERIC SCIENCES	27	26	29	30	30	-3.7	11.5	3.4	0.0
GEOSCIENCES	174	177	178	177	179	1.7	-.6	-.6	1.1
OCEANOGRAPHY	36	37	38	40	40	2.8	2.7	5.3	0.0
ENVIRONMENTAL SCIENCES, N.E.C.	20	23	26	32	37	15.0	13.0	23.1	15.6
MATHEMATICAL SCIENCES .....	374	387	396	400	413	3.5	2.3	1.0	3.2
COMPUTER SCIENCE	83	90	95	96	103	8.4	6.6	1.1	7.3
MATHEMATICS AND APPLIED MATHEMATICS	245	250	252	253	257	2.0	-.8	.4	1.6
STATISTICS	46	47	49	51	53	2.2	4.3	4.1	3.9
LIFE SCIENCES .....	4,077	4,185	4,238	4,405	4,508	2.6	1.3	3.9	2.3
AGRICULTURAL SCIENCES	317	310	310	311	305	-2.2	-.0	.3	-1.9
BIOLOGICAL SCIENCES	1,475	1,496	1,487	1,531	1,575	1.4	-.6	3.0	2.9
ANATOMY	102	100	100	103	111	-2.0	0.0	3.0	7.8
BIOCHEMISTRY	159	156	154	158	166	-1.9	-1.3	2.6	5.1
BIOLOGY	182	190	191	194	196	4.4	-.5	1.6	1.0
BIOMETRY/EPIDEMILOGY	34	32	32	39	39	-5.9	0.0	21.9	0.0
BIOPHYSICS	34	38	35	34	36	11.8	-7.9	-2.9	5.9
BOTANY	86	84	84	84	82	-2.3	0.0	0.0	-2.4
CELL BIOLOGY	26	26	26	28	30	0.0	0.0	7.7	7.1
ECOLOGY	14	15	18	19	19	7.1	20.0	5.6	0.0
ENTOMOLOGY/PARASITOLOGY	44	97	47	46	48	6.8	0.0	-2.1	4.3
GENETICS	51	51	51	54	55	0.0	0.0	5.9	1.9
MICROBIOLOGY	170	174	173	179	180	2.4	-.6	3.5	4.6
NUTRITION	72	70	69	72	76	-2.8	1.4	4.3	5.6
PATHOLOGY	136	139	139	143	147	2.2	0.0	2.9	2.8
PHARMACOLOGY	126	132	133	139	146	4.8	-.8	4.5	5.0
PHYSIOLOGY	130	130	126	133	137	0.0	-3.1	5.6	3.0
ZOOLOGY	64	62	60	55	53	-3.1	-3.2	-8.3	-3.6
BIOSCIENCES, N.E.C.	45	50	49	51	54	11.1	-2.0	4.1	5.9
HEALTH SCIENCES .....	2,285	2,379	2,441	2,563	2,628	4.1	2.6	5.0	2.5
ANESTHESIOLOGY	93	96	95	99	98	3.2	-1.0	4.2	-1.0
CARDIOLOGY	100	96	97	97	97	-4.0	1.0	0.0	0.0
CLINICAL PHARMACOLOGY	21	22	22	23	23	4.8	0.0	4.5	0.0
DENTISTRY	54	74	98	130	135	37.0	32.4	32.7	3.8
ENDOCRINOLOGY	94	97	99	98	98	3.2	2.1	-1.0	0.0
GASTROENTEROLOGY	86	85	86	86	86	-1.2	1.2	0.0	0.0
HEMATOLOGY	92	91	90	89	89	-1.1	-1.1	-1.1	0.0
NEUROLOGY	99	106	108	109	111	7.1	1.9	.9	1.8
NURSING	38	45	58	79	83	18.4	28.9	36.2	5.1
OBSTETRICS/GYNECOLOGY	105	108	107	106	106	2.9	-.9	-.9	0.0
OPHTHALMOLOGY	96	99	99	99	100	3.1	0.0	0.0	1.0
OTORHINOLARYNGOLOGY	93	93	94	93	93	0.0	1.1	-1.1	0.0
PEDIATRICS	107	108	108	108	109	.9	0.0	0.0	.9
PHARMACEUTICAL SCIENCES	72	73	71	83	84	1.4	-2.7	16.9	1.2
PREVENTIVE MEDICINE/COMMUNITY HEALTH	140	147	145	146	144	5.0	-1.4	.7	-1.4
PSYCHIATRY	101	104	104	105	104	3.0	0.0	1.0	-1.0
PULMONARY DISEASE	84	86	86	85	85	2.4	0.0	-1.2	0.0
RADIOLOGY	121	123	121	123	125	1.7	-1.6	1.7	1.6
SPEECH PATH/AUDIOLOGY	73	78	78	83	91	6.8	-5.1	12.2	9.6
SURGERY	224	234	239	242	246	4.5	2.1	1.3	1.7
VETERINARY SCIENCES	60	58	58	62	63	-3.3	0.0	6.9	2.1
CLINICAL MEDICINE, N.E.C.	264	285	301	329	387	8.0	5.6	9.3	8.5
HEALTH RELATED, N.E.C.	68	71	81	89	101	4.4	14.1	9.9	13.5
PSYCHOLOGY .....	278	284	292	307	314	2.2	2.8	5.1	-2.3
SOCIAL SCIENCES .....	1,053	1,071	1,117	1,153	1,182	1.7	4.3	3.2	2.5
AGRICULTURAL ECONOMICS	45	47	47	47	47	4.4	0.0	0.0	0.0
ANTHROPOLOGY	102	104	105	105	108	2.0	1.0	0.0	2.9
ECONOMICS (EXCEPT AGRICULTURAL)	183	185	186	185	186	1.1	-.5	-.5	.5
GEOGRAPHY	86	85	86	89	92	-1.2	1.2	3.5	3.4
HISTORY AND PHILOSOPHY OF SCIENCE	27	27	26	26	26	0.0	-3.7	0.0	0.0
LINGUISTICS	74	77	75	73	74	4.1	-2.6	-2.7	1.9
POLITICAL SCIENCE	26	231	256	273	278	2.2	10.8	6.6	1.8
SOCIOLOGY	202	200	207	212	215	-1.0	3.5	2.4	1.4
SOCIOLOGY/ANTHROPOLOGY	28	29	29	31	31	3.6	0.0	6.9	0.0
SOCIAL SCIENCE, N.E.C.	80	86	100	112	125	7.5	16.3	12.0	11.6

SOURCE: NATIONAL SCIENCE FOUNDATION

**TABLE B-24. SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT:  
DEPARTMENTAL POPULATION BY LEVEL OF DEPARTMENT AT DOCTORATE-GRANTING INSTITUTIONS: 1974-78**

FIELD OF SCIENCE	DOCTORAL					MASTER'S				
	1974	1975	1976	1977	1978	1974	1975	1976	1977	1978
<b>TOTAL, ALL FIELDS .....</b>	<b>6,216</b>	<b>6,211</b>	<b>6,254</b>	<b>6,355</b>	<b>6,431</b>	<b>1,496</b>	<b>1,521</b>	<b>1,592</b>	<b>1,729</b>	<b>1,811</b>
ENGINEERING .....	778	774	765	770	763	230	241	250	251	257
AERONAUTICAL	38	36	33	33	32	3	3	4	4	4
AGRICULTURAL	27	27	28	27	27	18	20	19	18	17
BIOMEDICAL	31	32	33	31	32	3	3	3	6	6
CHEMICAL	102	103	102	103	100	16	16	16	17	20
CIVIL	106	108	107	107	105	33	36	35	37	37
ELECTRICAL	121	120	116	118	118	26	27	30	28	28
ENGINEERING SCIENCE	49	45	45	44	43	10	11	12	12	13
INDUSTRIAL	65	66	64	64	62	36	37	40	40	39
MECHANICAL	104	104	103	103	107	32	31	31	29	29
METALLURGICAL/MATERIALS	62	60	60	60	61	6	9	7	8	6
MINING	12	10	9	9	10	7	8	9	10	10
NUCLEAR	28	28	26	26	28	4	5	6	5	5
PETROLEUM	9	12	12	10	10	4	3	3	4	4
ENGINEERING, N.E.C.	24	23	27	30	28	32	32	35	33	39
<b>PHYSICAL SCIENCES .....</b>	<b>411</b>	<b>414</b>	<b>410</b>	<b>405</b>	<b>399</b>	<b>104</b>	<b>113</b>	<b>107</b>	<b>114</b>	<b>120</b>
ASTRONOMY	29	30	27	27	27	3	4	3	3	4
CHEMISTRY	197	198	198	194	190	45	48	46	50	54
PHYSICS	181	182	181	179	177	51	55	55	57	58
PHYSICAL SCIENCES, N.E.C.	4	4	4	5	5	5	6	3	4	4
<b>ENVIRONMENTAL SCIENCES .....</b>	<b>189</b>	<b>192</b>	<b>198</b>	<b>203</b>	<b>210</b>	<b>68</b>	<b>71</b>	<b>73</b>	<b>76</b>	<b>76</b>
ATMOSPHERIC SCIENCES	29	24	26	27	28	2	2	3	3	2
GEOSCIENCES	120	122	124	124	127	54	55	54	53	52
OCEANOGRAPHY	33	33	33	34	35	3	4	5	6	5
ENVIRONMENTAL SCIENCES, N.E.C.	11	13	15	18	20	9	10	11	14	17
<b>MATHEMATICAL SCIENCES .....</b>	<b>264</b>	<b>269</b>	<b>277</b>	<b>273</b>	<b>276</b>	<b>110</b>	<b>118</b>	<b>119</b>	<b>127</b>	<b>137</b>
COMPUTER SCIENCE	57	60	61	60	62	26	30	34	36	41
MATHEMATICS AND APPLIED MATHEMATICS	165	167	171	169	169	80	83	81	84	88
STATISTICS	42	42	45	44	45	4	5	4	7	8
<b>LIFE SCIENCES .....</b>	<b>3,593</b>	<b>3,675</b>	<b>3,691</b>	<b>3,772</b>	<b>3,836</b>	<b>484</b>	<b>510</b>	<b>547</b>	<b>633</b>	<b>672</b>
<b>AGRICULTURAL SCIENCES .....</b>	<b>235</b>	<b>230</b>	<b>227</b>	<b>229</b>	<b>231</b>	<b>82</b>	<b>80</b>	<b>83</b>	<b>82</b>	<b>74</b>
BIOLOGICAL SCIENCES	1,331	1,345	1,330	1,361	1,403	144	151	157	170	172
ANATOMY	100	98	99	103	111	2	2	1	0	0
BIOCHEMISTRY	154	152	150	153	162	5	4	5	4	4
BIOLOGY	124	127	128	128	132	58	63	63	66	64
BIOMETRY/EPIDEMILOGY	28	27	26	35	35	6	5	6	4	4
BIOPHYSICS	34	37	34	33	35	0	1	1	1	1
BOTANY	82	79	78	77	76	4	5	6	7	6
CELL BIOLOGY	26	26	26	28	30	0	0	0	0	0
ECOLOGY	14	15	16	18	18	0	0	2	1	1
ENTOMOLOGY/PARASITOLOGY	40	42	42	41	42	4	5	5	5	6
GENETICS	50	50	50	53	54	1	1	1	1	1
MICROBIOLOGY	162	165	162	168	168	8	9	11	11	12
NUTRITION	53	53	51	48	50	19	17	18	24	26
PATHOLOGY	125	128	129	130	132	11	11	10	13	15
PHARMACOLOGY	120	126	126	133	140	6	6	7	6	6
PHYSIOLOGY	128	128	124	129	133	2	2	2	4	4
ZOOLOGY	58	57	55	51	49	6	5	5	4	4
BIOSCIENCES, N.E.C.	33	35	34	33	36	12	15	15	18	18
<b>HEALTH SCIENCES .....</b>	<b>2,027</b>	<b>2,100</b>	<b>2,134</b>	<b>2,182</b>	<b>2,202</b>	<b>258</b>	<b>279</b>	<b>307</b>	<b>381</b>	<b>426</b>
ANESTHESIOLOGY	89	92	91	92	90	4	4	4	7	8
CARDIOLOGY	97	93	94	95	95	3	3	3	2	2
CLINICAL PHARMACOLOGY	21	22	22	23	23	0	0	0	0	0
DENTISTRY	21	32	40	49	53	33	42	58	81	82
ENDOCRINOLOGY	92	95	97	97	97	2	2	2	1	1
GASTROENTEROLOGY	83	82	83	84	84	3	3	3	2	2
HEMATOLOGY	90	89	88	88	87	2	2	2	1	2
NEUROLOGY	97	104	106	107	108	2	2	2	2	3
NURSING	4	8	14	15	16	34	37	44	64	67
OBSTETRICS/GYNECOLOGY	102	104	103	102	101	3	4	4	5	5
OPHTHALMOLOGY	90	92	92	92	93	6	7	7	7	7
OTORHINOLARYNGOLOGY	90	89	90	89	87	3	4	4	4	6
PEDIATRICS	104	104	103	102	102	3	4	5	6	7
PHARMACEUTICAL SCIENCES	60	59	58	60	57	12	14	13	23	27
PREVENTIVE MEDICINE/ COMMUNITY HEALTH	122	128	125	121	111	18	19	20	25	33
PSYCHIATRY	93	96	96	97	96	8	8	8	8	8
PULMONARY DISEASE	81	83	83	83	83	3	3	3	2	2
RADIOLOGY	112	112	110	114	115	9	11	11	9	10
SPEECH PATH/AUDIOLOGY	39	41	40	38	40	34	37	34	45	51
SURGERY	214	224	229	232	232	10	10	10	10	14
VETERINARY SCIENCES	41	42	43	45	46	19	16	15	17	17
CLINICAL MEDICINE, N.E.C.	249	270	285	313	338	15	15	16	16	19
HEALTH RELATED, N.E.C.	36	39	42	44	48	37	32	39	45	53
<b>PSYCHOLOGY .....</b>	<b>220</b>	<b>219</b>	<b>229</b>	<b>234</b>	<b>238</b>	<b>58</b>	<b>65</b>	<b>63</b>	<b>73</b>	<b>76</b>
<b>SOCIAL SCIENCES .....</b>	<b>661</b>	<b>668</b>	<b>684</b>	<b>698</b>	<b>709</b>	<b>392</b>	<b>403</b>	<b>433</b>	<b>455</b>	<b>473</b>
AGRICULTURAL ECONOMICS	33	34	33	33	34	12	13	14	14	13
ANTHROPOLOGY	72	73	75	76	77	30	31	30	29	31
ECONOMICS (EXCEPT AGRICULTURAL)	124	123	125	124	125	59	62	61	61	61
GEOGRAPHY	49	49	49	48	49	37	36	37	41	43
HISTORY AND PHILOSOPHY OF SCIENCE	26	26	25	25	25	1	1	1	1	1
LINGUISTICS	53	56	55	53	53	21	21	20	20	21
POLITICAL SCIENCE	126	129	139	148	148	100	102	117	125	130
SOCIOLOGY	123	118	121	125	127	79	81	86	87	88
SOCIOLOGY/ANTHROPOLOGY	16	17	17	16	15	12	12	12	15	16
SOCIAL SCIENCES, N.E.C.	39	42	45	50	56	41	44	55	62	69

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 8-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978

INSTITUTION	TOTAL	FULL TIME	PART TIME
TOTAL, ALL INSTITUTIONS	311,982	217,588	94,394
1 UNIVERSITY OF SOUTHERN CALIFORNIA	7,006	3,181	3,825
2 UNIVERSITY OF CALIF AT BERKELEY	5,542	5,322	220
3 UNIVERSITY OF WISCONSIN - MADISON	5,130	4,514	616
4 UNIVERSITY OF MINNESOTA	4,863	4,099	764
5 OHIO STATE UNIVERSITY	4,622	3,739	883
6 UNIVERSITY OF MICHIGAN	4,608	4,078	530
7 UNIVERSITY OF WASHINGTON	4,370	3,378	992
8 RUTGERS THE STATE UNIVERSITY	4,249	3,721	2,528
9 NEW YORK UNIVERSITY	4,239	1,630	2,609
10 UNIVERSITY OF ILLINOIS - URBANA	4,130	3,893	237
TOTAL 1ST 10 INSTITUTIONS	48,759	35,555	13,204
11 UNIVERSITY OF CALIF AT LOS ANGELES	4,037	3,891	146
12 MASSACHUSETTS INSTITUTE OF TECHNOLOGY	3,664	3,664	0
13 UNIV OF TEXAS AT AUSTIN	3,596	3,008	588
14 PURDUE UNIVERSITY	3,582	2,982	600
15 MICHIGAN STATE UNIVERSITY	3,339	2,904	435
16 STANFORD UNIVERSITY	3,318	3,071	247
17 UNIVERSITY OF COLORADO	3,311	2,482	829
18 PENNSYLVANIA STATE UNIVERSITY	3,256	2,349	907
19 UNIVERSITY OF TENNESSEE AT KNOXVILLE	3,173	2,187	986
20 TEXAS A & M UNIVERSITY	3,063	2,442	621
TOTAL 1ST 20 INSTITUTIONS	83,098*	64,535	18,563
21 NORTHEASTERN UNIVERSITY	3,050	672	2,378
22 UNIVERSITY OF PITTSBURGH	2,936	1,572	1,364
23 GEORGE WASHINGTON UNIVERSITY	2,923	702	2,221
24 UNIVERSITY OF ARIZONA	2,890	2,244	646
25 UNIVERSITY OF MARYLAND - COLLEGE PARK	2,886	1,393	1,533
26 COLUMBIA UNIV MAIN DIVISION	2,689	2,086	603
27 CORNELL UNIVERSITY	2,669	2,655	14
28 UNIVERSITY OF CALIF AT DAVIS	2,600	2,322	78
29 UNIVERSITY OF KANSAS	2,362	1,727	635
30 UNIV OF NORTH CAROLINA AT CHAPEL HILL	2,359	2,138	221
TOTAL 1ST 30 INSTITUTIONS	110,262	82,006	28,256
31 HARVARD UNIVERSITY	2,308	2,198	110
32 IOWA STATE UNIVERSITY OF SCI & TECH	2,299	1,731	568
33 UNIVERSITY OF CINCINNATI	2,263	1,369	894
34 SYRACUSE UNIVERSITY	2,257	1,217	1,040
35 UNIVERSITY OF FLORIDA	2,215	1,963	252
36 POLYTECHNIC INSTITUTE OF NEW YORK	2,198	354	1,844
37 VIRGINIA POLYTECHNIC INST AND STATE UNIV	2,173	1,606	567
38 AMERICAN UNIVERSITY	2,153	733	1,420
39 SUNY - STONY BROOK	2,128	1,475	653
40 NORTH CAROLINA STATE UNIV AT RALEIGH	2,101	1,685	416
TOTAL 1ST 40 INSTITUTIONS	132,357	96,337	36,020
41 WEST VIRGINIA UNIVERSITY	2,095	1,403	692
42 WAYNE STATE UNIVERSITY	2,086	1,313	773
43 UNIVERSITY OF PENNSYLVANIA	2,067	1,624	543
44 SAN DIEGO STATE UNIVERSITY	2,000	1,265	735
45 SUNY - BUFFALO	1,994	1,386	608
46 UNIVERSITY OF IOWA	1,969	1,468	501
47 UNIVERSITY OF MISSOURI - COLUMBIA	1,952	1,541	411
48 UNIVERSITY OF MASSACHUSETTS AT AMHERST	1,912	1,669	243
49 UNIVERSITY OF UTAH	1,886	1,468	418
50 CATHOLIC UNIVERSITY OF AMERICA	1,855	744	1,111
TOTAL 1ST 50 INSTITUTIONS	152,173	110,218	41,955
51 UNIVERSITY OF SOUTH CAROLINA	1,849	1,104	745
52 UNIVERSITY OF CONNECTICUT	1,846	1,448	398
53 INDIANA UNIVERSITY - BLOOMINGTON	1,824	1,486	338
54 TEXAS WOMAN'S UNIVERSITY	1,799	658	1,141
55 BOSTON UNIVERSITY	1,780	1,188	572
56 COLORADO STATE UNIVERSITY	1,765	1,554	211
57 UNIVERSITY OF WISCONSIN - MILWAUKEE	1,727	917	810
58 FLORIDA INSTITUTE OF TECHNOLOGY	1,688	504	1,184
59 OREGON STATE UNIVERSITY	1,687	1,499	188
60 UNIVERSITY OF HOUSTON	1,677	930	747
TOTAL 1ST 60 INSTITUTIONS	169,815	121,506	48,309
61 CASE WESTERN RESERVE UNIVERSITY	1,655	1,289	366
62 FLORIDA STATE UNIVERSITY	1,653	1,367	286
63 UNIV OF TEXAS AT ARLINGTON	1,648	777	871
64 GEORGIA INSTITUTE OF TECHNOLOGY	1,618	1,186	432
65 UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE	1,617	1,146	471
66 LONG ISLAND UNIVERSITY	1,609	358	1,251
67 CUNY GRADUATE SCHOOL AND UNIV CENTER	1,607	1,936	71
68 ARIZONA STATE UNIVERSITY	1,583	968	615
69 UNIVERSITY OF GEORGIA	1,559	1,447	112
70 UNIVERSITY OF OKLAHOMA - NORMAN,	1,553	927	626
TOTAL 1ST 70 INSTITUTIONS	185,917	132,507	53,410

CONTINUED ON NEXT PAGE

TABLE B-B: DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
T1 YALE UNIVERSITY	1,922	1,495	27
T2 UNIVERSITY OF KENTUCKY	1,910	1,169	341
T3 UNIVERSITY OF HAWAII AT MANOA	1,901	1,333	168
T4 UNIVERSITY OF CHICAGO	1,493	1,415	78
T5 ILLINOIS INSTITUTE OF TECHNOLOGY	1,467	385	1,082
T6 WASHINGTON STATE UNIVERSITY	1,465	1,303	162
T7 WASHINGTON UNIVERSITY	1,460	1,204	256
T8 OKLAHOMA STATE UNIVERSITY	1,452	1,230	222
T9 LOUISIANA STATE UNIVERSITY SYSTEM	1,413	1,124	289
T0 COLUMBIA UNIV TEACHERS COLLEGE	1,401	651	750
<b>TOTAL 1ST - 80 INSTITUTIONS</b>	<b>200,601</b>	<b>143,816</b>	<b>56,785</b>
81 UNIVERSITY OF VIRGINIA	1,391	1,158	233
82 VIRGINIA COMMONWEALTH UNIVERSITY	1,357	901	456
83 RENSSELAER POLYTECHNIC INSTITUTE	1,354	1,045	309
84 JOHNS HOPKINS UNIVERSITY	1,333	1,219	114
85 NORTHWESTERN UNIVERSITY	1,321	1,144	177
86 TEMPLE UNIVERSITY	1,314	836	478
87 FAIRFIELD DICKINSON UNIVERSITY	1,304	215	1,089
88 UNIVERSITY OF NEW MEXICO	1,279	826	453
89 KANSAS STATE UNIV OF AGR & APPLIED SCI	1,278	1,044	234
90 UNIVERSITY OF NEBRASKA - LINCOLN	1,275	938	337
<b>TOTAL 1ST - 90 INSTITUTIONS</b>	<b>213,807</b>	<b>153,142</b>	<b>60,665</b>
91 UNIV OF TEXAS AT DALLAS	1,272	435	837
92 NEW SCHOOL FOR SOCIAL RESEARCH	1,214	370	844
93 UNIVERSITY OF MARYLAND - BALTIMORE SCH	1,201	745	456
94 UNIVERSITY OF RHODE ISLAND	1,158	802	356
95 UNIVERSITY OF CALIF AT SAN DIEGO	1,127	1,067	60
96 NORTHERN ILLINOIS UNIVERSITY	1,117	644	473
97 US INTERNATIONAL UNIVERSITY	1,064	653	411
98 STEVENS INSTITUTE OF TECHNOLOGY	1,064	259	805
99 TULANE UNIVERSITY OF LOUISIANA	1,040	722	318
100 UNIVERSITY OF CALIF AT SANTA BARBARA	1,039	1,002	37
<b>TOTAL 1ST - 100 INSTITUTIONS</b>	<b>225,103</b>	<b>159,841</b>	<b>65,262</b>
101 HOWARD UNIVERSITY	1,037	739	298
102 PRINCETON UNIVERSITY	1,006	1,006	0
103 AUBURN UNIVERSITY	1,000	785	215
104 SOUTHERN ILLINOIS UNIV AT CARBONDALE	989	653	336
105 UNIVERSITY OF PUERTO RICO - RIO PIEDRAS	979	617	362
106 UNIVERSITY OF DENVER	969	733	236
107 UNIVERSITY OF IDAHO	954	617	337
108 UNIVERSITY OF LOUISVILLE	952	569	383
109 THE UNIVERSITY OF ALABAMA IN BIRMINGHAM	948	668	280
110 BRIGHAM YOUNG UNIVERSITY	910	728	182
<b>TOTAL 1ST - 110 INSTITUTIONS</b>	<b>234,847</b>	<b>166,956</b>	<b>67,891</b>
111 CLEVELAND STATE UNIVERSITY	908	225	683
112 UNIVERSITY OF ROCHESTER	905	780	125
113 UNIVERSITY OF ARKANSAS	898	660	238
114 WESTERN MICHIGAN UNIVERSITY	896	578	318
115 UNIVERSITY OF AKRON	895	417	478
116 DUKE UNIVERSITY	891	822	69
117 UNIVERSITY OF CALIF AT RIVERSIDE	886	862	24
118 CARNEGIE-MELLON UNIVERSITY	880	667	219
119 UNIVERSITY OF DELAWARE	884	635	249
120 TEXAS TECH UNIVERSITY	883	727	156
<b>TOTAL 1ST - 120 INSTITUTIONS</b>	<b>243,779</b>	<b>173,329</b>	<b>70,450</b>
121 SUNY - BINGHAMTON	883	524	359
122 KENT STATE UNIVERSITY	866	599	267
123 LOYOLA UNIVERSITY OF CHICAGO	859	573	286
124 CLEMSON UNIVERSITY	858	601	257
125 CALIFORNIA INSTITUTE OF TECHNOLOGY	856	847	9
126 Drexel University	850	327	523
127 ST JOHN'S UNIVERSITY	837	425	582
128 GEORGIA STATE UNIVERSITY	826	458	368
129 NOVA UNIVERSITY	824	79	745
130 UNIVERSITY OF SOUTH FLORIDA	820	514	306
<b>TOTAL 1ST - 130 INSTITUTIONS</b>	<b>252,258</b>	<b>178,106</b>	<b>74,152</b>
131 THE UNIVERSITY OF ALABAMA	819	650	169
132 SOUTHERN METHODIST UNIVERSITY	802	327	475
133 US NAVAL POSTGRADUATE SCHOOL	798	798	0
134 BOWLING GREEN STATE UNIVERSITY	798	608	190
135 UNIVERSITY OF SANTA CLARA	794	36	758
136 UNIVERSITY OF OREGON	787	702	85
137 UTAH STATE UNIVERSITY	786	545	241
138 WORCESTER POLYTECHNIC INSTITUTE	780	207	573
139 UNIVERSITY OF MIAMI	774	571	203
140 WICHITA STATE UNIVERSITY	773	291	482
<b>TOTAL 1ST - 140 INSTITUTIONS</b>	<b>260,169</b>	<b>182,841</b>	<b>77,328</b>

CONTINUED ON NEXT PAGE

TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT 1978

- CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
141 MEMPHIS STATE UNIVERSITY	769	406	363
142 NEW JERSEY INSTITUTE OF TECHNOLOGY	768	109	659
143 GEORGETOWN UNIVERSITY	746	581	165
144 UNIVERSITY OF CALIF AT SAN FRANCISCO	737	684	53
145 UNIVERSITY OF MISSISSIPPI	734	568	166
146 MISSISSIPPI STATE UNIVERSITY	733	605	128
147 UNIV OF ILLINOIS MED CENTER - CHICAGO	730	510	220
148 OHIO UNIVERSITY	718	588	130
149 UNIVERSITY OF LOWELL	713	189	524
150 ST LOUIS UNIVERSITY	712	451	261
TOTAL 1ST 150 INSTITUTIONS	267,529	187,532	79,997
151 OLD DOMINION UNIVERSITY	694	319	375
152 FORDHAM UNIVERSITY	693	200	493
153 NORTH TEXAS STATE UNIVERSITY	682	424	258
154 UNIVERSITY OF WYOMING	678	600	78
155 UNIVERSITY OF MISSOURI - KANSAS CITY	675	199	476
156 PORTLAND STATE UNIVERSITY	673	407	266
157 UNIVERSITY OF MISSOURI - ROLLA	658	402	256
158 NEW MEXICO STATE UNIVERSITY	657	491	166
159 LEHIGH UNIVERSITY	652	415	237
160 EAST TEXAS STATE UNIVERSITY	638	291	347
TOTAL 1ST 160 INSTITUTIONS	274,229	191,280	82,949
161 SUNY - ALBANY	634	466	168
162 VANDERBILT UNIVERSITY	623	604	19
163 VILLANOVA UNIVERSITY	622	120	502
164 UNIVERSITY OF NOTRE DAME	616	551	65
165 LOMA LINDA UNIVERSITY	614	395	219
166 UNIVERSITY OF CALIF AT IRVINE	612	578	34
167 ADELPHI UNIVERSITY	608	291	317
168 BROWN UNIVERSITY	589	548	41
169 RICE UNIVERSITY	562	544	18
170 MARQUETTE UNIVERSITY	560	321	239
TOTAL 1ST 170 INSTITUTIONS	280,269	195,698	84,571
171 UNIVERSITY OF OKLAHOMA HEALTH SCI CENTER	551	391	16
172 UNIVERSITY OF DAYTON	550	143	407
173 BOSTON COLLEGE	546	441	105
174 NORTH DAKOTA STATE UNIVERSITY	545	386	159
175 DE PAUL UNIVERSITY	541	260	281
176 BALL STATE UNIVERSITY	533	232	301
177 UNIVERSITY OF TOLEDO	527	242	285
178 UNIV OF TEXAS AT EL PASO	513	286	227
179 TUFTS UNIVERSITY	504	366	118
180 EMORY UNIVERSITY	504	348	156
TOTAL 1ST 180 INSTITUTIONS	285,583	198,813	86,770
181 UNIVERSITY OF SOUTHERN MISSISSIPPI	503	373	130
182 UNIVERSITY OF DETROIT	501	200	301
183 UNIVERSITY OF NEBRASKA - OMAHA	497	221	276
184 ATLANTA UNIVERSITY	490	431	59
185 UNIVERSITY OF MAINE AT ORONO	487	378	109
186 COLORADO SCHOOL OF MINES	473	345	128
187 UNIV OF NORTH CAROLINA AT GREENSBORO	473	196	277
188 CLAREMONT UNIV CENTER & GRADUATE SCHOOL	463	155	308
189 UNIVERSITY OF NEW ORLEANS	461	245	216
190 UNIVERSITY OF VERMONT & ST AGRIC COLLEGE	450	344	106
TOTAL 1ST 190 INSTITUTIONS	290,381	201,701	88,680
191 UNIVERSITY OF NEW HAMPSHIRE	448	320	128
192 THE UNIVERSITY OF ALABAMA IN HUNTSVILLE	444	152	292
193 MIAMI UNIVERSITY	439	395	44
194 ILLINOIS STATE UNIVERSITY	436	297	139
195 UNIVERSITY OF NEVADA AT RENO	435	326	109
196 UNIVERSITY OF MONTANA	427	377	50
197 WRIGHT STATE UNIVERSITY	425	163	262
198 SAM HOUSTON STATE UNIVERSITY	414	309	105
199 STEPHEN F. AUSTIN STATE UNIVERSITY	408	342	66
200 CENTRAL MICHIGAN UNIVERSITY	408	258	150
TOTAL 1ST 200 INSTITUTIONS	294,665	204,640	90,025
201 SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE	390	166	224
202 Hofstra University	388	314	74
203 Duquesne University	382	201	181
204 Yeshiva University	370	275	95
205 UNION OF EXPERIMENTNG COLLEGES & UNIVS	352	352	0
206 EAST CAROLINA UNIVERSITY	351	233	118
207 MONTANA STATE UNIVERSITY	345	310	35
208 INDIANA STATE UNIVERSITY	329	233	96
209 SUNY - COLL OF ENV SCIENCE AND FORESTRY	326	231	95
210 SETON HALL UNIVERSITY	325	110	215
TOTAL 1ST 210 INSTITUTIONS	298,223	207,065	91,158

CONTINUED ON NEXT PAGE

TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENTS 1978

- CONTINUED

## INSTITUTION

## TOTAL

## FULL TIME

## PART TIME

211 NORTHERN ARIZONA UNIVERSITY	319	245	74
212 UNIVERSITY OF NORTH DAKOTA	313	247	66
213 UNIVERSITY OF SOUTHWESTERN LOUISIANA	309	223	86
214 MAHNEMANN MEDICAL COLLEGE AND HOSPITAL	292	287	5
215 UNIVERSITY OF MISSOURI - ST LOUIS	285	96	189
216 UNIVERSITY OF PUERTO RICO MED SCI CAMPUS	284	242	42
217 UNIVERSITY OF PUERTO RICO - MAYAGUEZ	279	169	110
218 BRANDEIS UNIVERSITY	276	273	3
219 AIR FORCE INSTITUTE OF TECHNOLOGY	274	274	0
220 MARSHALL UNIVERSITY	271	125	146
TOTAL 1ST 220 INSTITUTIONS	301,125	209,246	91,879
221 UNION COLLEGE	270	97	223
222 UNIVERSITY OF MARYLAND - BALTIMORE CNTY	265	92	173
223 UNIV OF TEXAS HLTH SCI CTR AT HOUSTON	252	207	45
224 UNIVERSITY OF ALASKA AT FAIRBANKS	251	223	28
225 CALIF SCH OF PROF PSYCH - BERKELEY	250	235	15
226 COLLEGE OF WILLIAM AND MARY	249	202	47
227 UNIVERSITY OF NEBRASKA MEDICAL CENTER	248	121	127
228 UNIVERSITY OF CALIF AT SANTA CRUZ	243	243	0
229 EAST TENNESSEE STATE UNIVERSITY	243	162	81
230 SOUTH DAKOTA STATE UNIVERSITY	242	195	47
TOTAL 1ST 230 INSTITUTIONS	303,638	210,973	92,665
231 CALIF SCH OF PROF PSYCH - SAN DIEGO	237	237	0
232 IDAHO STATE UNIVERSITY	237	178	59
233 UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO	230	145	85
234 INDIANA-PURDUE UNIV AT INDIANAPOLIS	229	193	36
235 UNIV OF TEXAS HLTH SCI CTR AT DALLAS	228	202	26
236 OAKLAND UNIVERSITY	222	120	102
237 CLARKSON COLLEGE OF TECHNOLOGY	221	173	48
238 CLARK UNIVERSITY	220	176	44
239 DARTMOUTH COLLEGE	218	210	8
240 UNIVERSITY OF SOUTH DAKOTA	215	140	75
TOTAL 1ST 240 INSTITUTIONS	305,895	212,747	93,148
241 BAYLOR UNIVERSITY	210	187	23
242 MICHIGAN TECHNOLOGICAL UNIVERSITY	209	208	1
243 UNIVERSITY OF TULSA	201	115	86
244 SMITH COLLEGE	191	187	4
245 BRYN MAWR COLLEGE	188	74	114
246 CALIF SCH OF PROF PSYCH - LOS ANGELES	186	159	27
247 THE WRIGHT INSTITUTE	181	179	2
248 SOUTH DAKOTA SCHOOL OF MINES AND TECH	181	130	51
249 TENNESSEE TECHNOLOGICAL UNIVERSITY	159	88	71
250 UNIVERSITY OF ARKANSAS + MED. SCI CAMPUS	158	84	74
TOTAL 1ST 250 INSTITUTIONS	307,759	214,158	93,601
251 WAKE FOREST UNIVERSITY	153	118	35
252 UNIVERSITY OF SOUTH ALABAMA	151	37	114
253 FULLER THEOLOGICAL SEMINARY	147	147	0
254 UNIV OF TEXAS MED BRANCH AT GALVESTON	147	134	13
255 CALIF SCH OF PROF PSYCH - FRESNO	145	137	8
256 RUSH UNIVERSITY	140	84	56
257 UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE	136	107	29
258 NEW YORK MEDICAL COLLEGE	136	61	75
259 LOUISIANA TECH UNIVERSITY	134	97	37
260 THE MEDICAL COLLEGE OF PENNSYLVANIA	134	76	58
TOTAL 1ST 260 INSTITUTIONS	309,182	215,156	94,026
261 TEXAS CHRISTIAN UNIVERSITY	132	127	5
262 UNIVERSITY OF NORTHERN COLORADO	130	115	15
263 NORTHEAST LOUISIANA UNIVERSITY	126	91	35
264 NEW MEXICO INSTITUTE OF MINING AND TECH	123	122	1
265 MEDICAL UNIVERSITY OF SOUTH CAROLINA	123	113	10
266 GEORGE PEABODY COLLEGE FOR TEACHERS	119	81	38
267 BAYLOR COLLEGE OF MEDICINE	115	114	1
268 ROCKEFELLER UNIVERSITY	107	98	9
269 WESLEYAN UNIVERSITY	106	96	10
270 INSTITUTE OF PAPER CHEMISTRY	94	94	0
TOTAL 1ST 270 INSTITUTIONS	310,357	216,207	94,150
271 LAMAR UNIVERSITY	92	45	47
272 MEDICAL COLLEGE OF GEORGIA	90	81	9
273 MASSACHUSETTS COLLEGE OF PHARMACY	90	71	19
274 UNIVERSITY OF THE PACIFIC	89	76	13
275 SUNY - DOWNSTATE MEDICAL CENTER	85	83	2
276 THOMAS JEFFERSON UNIVERSITY	84	71	13
277 BIOLA COLLEGE	82	61	21
278 COLLEGE OF MED AND DENT OF NEW JERSEY	79	70	9
279 MEDICAL COLLEGE OF WISCONSIN	79	69	10
280 UNIVERSITY OF HEALTH SCIENCES	76	59	17
TOTAL 1ST 280 INSTITUTIONS	311,203	216,893	94,310

CONTINUED ON NEXT PAGE

TABLE B-3. DOCTORATE-GRANTING INSTITUTIONS RANKED ON THE BASIS OF TOTAL GRADUATE ENROLLMENT: 1978.

• CONTINUED

INSTITUTION	TOTAL	FULL TIME	PART TIME
281 CUNY MOUNT SINAI SCHOOL OF MEDICINE	74	74	0
282 UNIVERSITY OF OREGON HEALTH SCI CENTER	73	61	12
283 WOODS HOLE OCEANOGRAPHIC INSTITUTE	66	66	0
284 SUNY - UPSTATE MEDICAL CENTER	61	39	22
285 ALFRED UNIVERSITY	54	48	6
286 CREIGHTON UNIVERSITY	53	46	7
287 MEHARAY MEDICAL COLLEGE	50	50	0
288 ALBANY MEDICAL COLLEGE	49	48	1
289 RAND GRADUATE INSTITUTE POLICY STUDIES	42	42	0
290 OREGON GRADUATE CENTER	42	37	5
<b>TOTAL 1ST 290 INSTITUTIONS</b>	<b>311,767</b>	<b>217,404</b>	<b>94,363</b>
291 PHILADELPHIA COLL OF PHARMACY AND SCI	40	30	10
292 UNIVERSITY OF DALLAS	35	25	10
293 PHILA COLLEGE OF OSTEOPATHIC MEDICINE	32	32	0
294 ST BONAVENTURE UNIVERSITY	31	26	5
295 MEDICAL COLLEGE OF OHIO AT TOLEDO	25	23	2
296 INSTITUTE OF TEXTILE TECHNOLOGY	16	16	0
297 UNIFORMED SERV UNIV OF THE HLTH SCIENCES	11	11	0
298 UNIVERSITY OF MASSACHUSETTS AT WORCESTER	10	10	0
299 CATHOLIC UNIVERSITY OF PUERTO RICO	8	8	0
300 PROVIDENCE COLLEGE	6	3	3
<b>TOTAL 1ST 300 INSTITUTIONS</b>	<b>311,981</b>	<b>217,588</b>	<b>94,393</b>
301 SUNY STATE COLLEGE OF OPTOMETRY	1	0	1
302 DREW POST-GRADUATE MEDICAL SCHOOL	0	0	0
303 CHICAGO COLL OF OSTEOPATHIC MED & SURGERY	0	0	0
304 COLLEGE OF OSTEOPATHIC MED & SURGERY	0	0	0
305 KANSAS CITY COLL OF OSTEOPATHIC MEDICINE	0	0	0
306 KIRKSVILLE COLLEGE OF OSTEOPATHIC MED	0	0	0
307 UNIV OF TEXAS CANCER CENTER	0	0	0
308 TAYLOR COLLEGE OF DENTISTRY	0	0	0
309 JERICHO UNIVERSITY	0	0	0
310 DESERT RESEARCH INSTITUTE	0	0	0
<b>TOTAL 1ST 310 INSTITUTIONS</b>	<b>311,982</b>	<b>217,588</b>	<b>94,394</b>
311 TEXAS COLLEGE OF OSTEOPATHIC MEDICINE	0	0	0
312 EASTERN VIRGINIA MEDICAL SCHOOL	0	0	0
313 WEST VIRGINIA SCH OF OSTEOPATHIC MED	0	0	0
314 OKLAHOMA COLL OF OSTEOPATHIC MED & SURGERY	0	0	0
315 NEW JERSEY SCH OF OSTEOPATHIC MEDICINE	0	0	0
316 NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE	0	0	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUPPORDED STUDENTS	TOTAL FULL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST PART TIME		
		OMHE	OTHER	NIH	INSTI-TU-FEDERAL	OTHER	ATIONAL SUPPORT						STUDENTS	
UNITED STATES														
TOTAL, ALL AREAS		10,983	10,824	9,024	20,542	80,123	19,259	66,833	217,588	74,696	94,394	10,070	32,023	
ENGINEERING		544	516	2,342	7,223	10,496	5,322	10,686	37,129	14,601	29,076	10,761		
PHYSICAL SCIENCES		1,278	130	2,803	2,801	13,814	1,346	1,679	21,651	5,776	3,386	1,003		
ENVIRONMENTAL SCIENCES		31	202	1,250	1,628	3,495	848	2,320	9,724	3,110	2,145	476		
MATHEMATICAL SCIENCES		114	411	531	621	7,987	819	3,593	13,706	4,828	7,927	3,136		
LIFE SCIENCES		7,586	6,201	1,368	4,504	21,504	5,717	18,217	65,097	22,619	20,174	6,982		
PSYCHOLOGY		1,081	1,841	222	799	7,425	1,574	7,735	20,677	5,529	7,243	1,543		
SOCIAL SCIENCES		349	1,893	508	2,966	17,452	3,633	22,803	49,604	18,233	24,443	8,142		
ALABAMA														
TOTAL, ALL AREAS		132	96	16	191	856	175	826	2,292	998	1,070	455		
ENGINEERING		0	5	6	37	133	41	117	339	171	273	135		
PHYSICAL SCIENCES		4	0	5	17	119	3	19	167	51	37	10		
ENVIRONMENTAL SCIENCES		0	0	0	0	19	3	9	31	3	11	0		
MATHEMATICAL SCIENCES		0	0	0	1	74	10	49	134	48	109	38		
LIFE SCIENCES		122	62	5	59	319	86	401	1,054	519	346	177		
PSYCHOLOGY		6	16	0	7	63	24	50	166	58	110	23		
SOCIAL SCIENCES		0	13	0	70	129	8	181	401	148	184	72		
AUBURN UNIVERSITY														
TOTAL, ALL AREAS		2	9	4	108	387	51	224	785	259	215	68		
ENGINEERING		0	0	2	24	81	4	36	147	72	42	13		
PHYSICAL SCIENCES		1	0	2	7	43	1	5	59	14	0	0		
ENVIRONMENTAL SCIENCES		0	0	0	0	1	0	0	1	1	0	0		
MATHEMATICAL SCIENCES		0	0	0	0	34	0	9	38	15	2	1		
LIFE SCIENCES		1	9	0	46	165	28	94	343	110	70	14		
PSYCHOLOGY		0	0	0	1	35	13	15	64	16	27	10		
SOCIAL SCIENCES		0	0	0	30	28	5	70	133	31	74	30		
THE UNIVERSITY OF ALABAMA														
TOTAL, ALL AREAS		7	46	6	66	300	19	206	650	250	169	33		
ENGINEERING		0	5	31	9	144	6	16	83	34	17	6		
PHYSICAL SCIENCES		0	0	3	6	40	2	5	56	23	4	0		
ENVIRONMENTAL SCIENCES		0	0	0	0	18	3	9	30	2	11	0		
MATHEMATICAL SCIENCES		0	0	0	0	27	5	19	51	9	8	1		
LIFE SCIENCES		1	13	0	51	47	0	36	102	46	10	2		
PSYCHOLOGY		6	15	0	6	23	0	16	66	22	44	0		
SOCIAL SCIENCES		0	13	0	40	101	3	105	262	114	75	24		
THE UNIVERSITY OF ALABAMA IN BIRMINGHAM														
TOTAL, ALL AREAS		123	38	51	81	136	69	289	668	369	280	154		
ENGINEERING		0	0	0	0	31	0	111	14	4	21	24		
PHYSICAL SCIENCES		3	0	0	0	26	0	5	39	8	5	0		
MATHEMATICAL SCIENCES		0	0	0	0	101	0	161	26	13	39	13		
LIFE SCIENCES		120	38	5	8	92	58	243	564	329	210	136		
PSYCHOLOGY		0	0	0	0	51	11	14	30	15	5	2		
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE														
TOTAL, ALL AREAS		0	0	1	9	21	36	85	152	92	292	156		
ENGINEERING		0	0	1	4	5	31	54	95	61	193	113		
PHYSICAL SCIENCES		0	0	0	4	26	0	5	39	8	28	10		
MATHEMATICAL SCIENCES		0	0	0	1	3	5	9	18	6	55	22		
LIFE SCIENCES		0	0	0	0	31	0	18	21	14	16	11		
UNIVERSITY OF SOUTH ALABAMA														
TOTAL, ALL AREAS		0	3	0	0	12	0	22	37	20	114	44		
MATHEMATICAL SCIENCES		0	0	0	0	0	0	1	1	0	5	1		
LIFE SCIENCES		0	2	0	0	12	0	10	24	20	40	14		
PSYCHOLOGY		0	1	0	0	0	0	5	6	5	34	11		
SOCIAL SCIENCES		0	0	0	0	0	0	6	6	3	35	18		
ALASKA														
TOTAL, ALL AREAS		2	3	25	39	41	18	95	223	49	28	10		
ENGINEERING		0	2	0	5	2	0	5	14	4	18	8		
PHYSICAL SCIENCES		0	0	0	0	3	0	3	6	2	2	1		
ENVIRONMENTAL SCIENCES		0	1	19	19	16	7	22	84	18	51	0		
MATHEMATICAL SCIENCES		0	0	0	0	2	0	0	2	1	1	0		
LIFE SCIENCES		2	0	6	15	14	10	51	98	19	21	1		
PSYCHOLOGY		0	0	0	0	0	0	0	0	0	0	0		
SOCIAL SCIENCES		0	0	0	0	9	1	14	19	5	0	0		
UNIVERSITY OF ALASKA AT FAIRBANKS														
TOTAL, ALL AREAS		2	3	25	39	41	18	95	223	49	28	10		
ENGINEERING		0	2	0	5	2	0	5	14	4	18	8		
PHYSICAL SCIENCES		0	0	0	0	3	0	3	6	2	2	1		
ENVIRONMENTAL SCIENCES		0	1	19	19	16	7	22	84	18	51	0		
MATHEMATICAL SCIENCES		0	0	0	0	2	0	0	2	1	1	0		
LIFE SCIENCES		2	0	6	15	14	10	51	98	19	21	1		
SOCIAL SCIENCES		0	0	0	0	4	1	14	19	5	0	0		
ARIZONA														
TOTAL, ALL AREAS		472	148	131	441	1,197	316	1,152	3,497	1,198	1,335	525		
ENGINEERING		0	24	11	73	193	65	153	519	188	507	311		
PHYSICAL SCIENCES		18	3	39	101	191	43	57	492	115	30	21		
ENVIRONMENTAL SCIENCES		0	6	34	52	79	33	88	292	88	55	10		
MATHEMATICAL SCIENCES		0	0	4	8	71	13	34	130	40	40	10		
LIFE SCIENCES		531	85	33	102	314	118	351	1,056	419	305	76		
PSYCHOLOGY		0	12	0	45	76	11	67	182	48	17	1		
SOCIAL SCIENCES		1	17	10	90	273	33	402	826	300	381	115		
ARIZONA STATE UNIVERSITY														
TOTAL, ALL AREAS		4	47	33	69	403	49	368	968	340	615	347		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- SUP- PORTEO DENT <sup>b</sup>			TOTAL YEAR	TOTAL PART TIME	FIRST- YEAR PART TIME
		DHEN	OTHER	NIH DHEN	NSF FEDERAL	INSTI- TUT TIONAL SUPPORT	ALL OTHER SUPPORT	SUP- PORTED OUTSIDE STU- DENTS <sup>b</sup>	FIRST- YEAR TIME				
ARIZONA, CONTINUED	ARIZONA STATE UNIVERSITY												
	ENGINEERING	0	2	1	25	82	19	57	186	96	397	291	
	PHYSICAL SCIENCES	2	3	14	2	69	91	3	102	29	9	29	
	ENVIRONMENTAL SCIENCES	0	0	6	4	12	0	11	33	16	11	0	
	MATHEMATICAL SCIENCES	0	0	0	0	35	0	22	57	20	12	5	
	LIFE SCIENCES	2	38	10	22	73	31	83	231	77	94	22	
	PSYCHOLOGY	0	0	0	2	26	0	59	67	20	0	0	
	SOCIAL SCIENCES	0	4	2	14	106	13	133	272	82	92	27	
GUAM	NORTHERN ARIZONA UNIVERSITY												
	TOTAL, ALL AREAS	11	0	2	78	68	6	90	245	229	74	72	
	PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	6	0	0	
	ENVIRONMENTAL SCIENCES	0	0	0	0	15	0	4	19	19	7	7	
	MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	4	0	0	
	LIFE SCIENCES	11	0	2	8	27	6	38	82	73	1	0	
	PSYCHOLOGY	0	0	0	0	10	0	3	13	7	2	1	
	SOCIAL SCIENCES	0	0	0	70	6	0	45	121	120	64	64	
TEXAS	UNIVERSITY OF ARIZONA												
	TOTAL, ALL AREAS	67	101	96	294	726	260	694	2,244	629	646	106	
	ENGINEERING	0	22	10	48	111	46	96	333	92	110	20	
	PHYSICAL SCIENCES	161	70	25	99	116	34	54	344	80	21	0	
	ENVIRONMENTAL SCIENCES	0	6	28	48	52	33	73	240	53	37	3	
	MATHEMATICAL SCIENCES	0	0	4	6	32	13	12	69	16	20	5	
	LIFE SCIENCES	50	47	21	72	214	109	230	743	269	210	54	
	PSYCHOLOGY	0	13	0	13	40	11	5	82	21	15	0	
	SOCIAL SCIENCES	1	13	8	6	161	20	224	433	98	225	24	
ARKANSAS													
	TOTAL, ALL AREAS	15	17	8	96	369	66	173	744	305	312	104	
	ENGINEERING	0	0	0	15	58	4	39	116	49	93	26	
	PHYSICAL SCIENCES	71	0	7	4	46	5	3	72	26	3	0	
	ENVIRONMENTAL SCIENCES	0	0	0	6	21	4	12	43	15	2	1	
	MATHEMATICAL SCIENCES	0	0	0	0	37	0	2	39	24	27	12	
	LIFE SCIENCES	2	17	1	43	134	50	80	327	127	137	62	
	PSYCHOLOGY	61	0	0	4	34	3	3	50	12	19	0	
	SOCIAL SCIENCES	0	0	0	24	39	0	34	97	52	31	3	
ARKANSAS	UNIVERSITY OF ARKANSAS												
	TOTAL, ALL AREAS	13	1	8	80	344	69	150	660	269	238	66	
	ENGINEERING	0	0	0	15	58	4	39	116	49	93	26	
	PHYSICAL SCIENCES	7	0	7	4	46	5	3	72	26	3	0	
	ENVIRONMENTAL SCIENCES	0	0	0	6	21	4	12	43	15	2	1	
	MATHEMATICAL SCIENCES	0	0	0	0	37	0	2	39	24	27	12	
	LIFE SCIENCES	0	1	1	27	109	98	57	243	91	63	24	
	PSYCHOLOGY	6	0	0	4	34	3	3	50	12	19	0	
	SOCIAL SCIENCES	0	0	0	24	39	0	34	97	52	31	3	
ARKANSAS	UNIVERSITY OF ARKANSAS - MED SCI CAMPUS												
	TOTAL, ALL AREAS	2	18	0	16	25	2	23	84	36	74	38	
	LIFE SCIENCES	2	16	0	16	25	2	23	84	36	74	38	
CALIFORNIA													
	TOTAL, ALL AREAS	1,643	1,418	1,514	3,753	6,990	2,592	9,735	27,645	8,763	7,250	2,408	
	ENGINEERING	91	38	395	1,778	914	899	1,840	5,955	2,203	4,411	1,645	
	PHYSICAL SCIENCES	235	38	475	609	1,164	173	191	2,885	703	71	20	
	ENVIRONMENTAL SCIENCES	1	18	214	252	265	78	237	1,065	277	58	6	
	MATHEMATICAL SCIENCES	22	3	99	150	712	213	504	1,703	567	368	144	
	LIFE SCIENCES	1,035	763	204	239	1,675	555	2,586	7,037	2,320	720	222	
	PSYCHOLOGY	203	362	38	78	605	94	1,334	2,714	551	624	136	
	SOCIAL SCIENCES	56	216	89	647	1,655	580	3,043	6,286	2,142	998	235	
BIDLAND COLLEGE													
	TOTAL, ALL AREAS	0	0	0	0	2	0	59	61	26	21	6	
	PSYCHOLOGY	0	0	0	0	2	0	59	61	26	21	6	
CALIF SCH OF PROF PSYCH - BERKELEY													
	TOTAL, ALL AREAS	5	0	0	0	46	8	176	235	38	15	0	
	PSYCHOLOGY	5	0	0	0	46	8	176	235	38	15	0	
CALIF SCH OF PROF PSYCH - FRESNO													
	TOTAL, ALL AREAS	0	1	0	6	20	3	107	137	59	8	0	
	PSYCHOLOGY	0	1	0	6	20	3	107	137	59	8	0	
CALIF SCH OF PROF PSYCH - LOS ANGELES													
	TOTAL, ALL AREAS	0	0	0	12	47	2	98	159	34	27	4	
	PSYCHOLOGY	0	0	0	12	47	2	98	159	34	27	4	
CALIF SCH OF PROF PSYCH - SAN DIEGO													
	TOTAL, ALL AREAS	0	1	0	19	28	4	185	237	33	0	0	
	PSYCHOLOGY	0	1	0	19	28	4	185	237	33	0	0	
CALIFORNIA INSTITUTE OF TECHNOLOGY													
	TOTAL, ALL AREAS	102	0	174	166	326	76	5	867	236	9	61	
	ENGINEERING	5	0	44	65	145	52	51	316	118	49	61	
	PHYSICAL SCIENCES	54	0	84	60	86	13	0	297	62	0	0	
	ENVIRONMENTAL SCIENCES	0	0	35	32	24	6	0	97	30	0	0	
	MATHEMATICAL SCIENCES	0	0	1	2	34	3	0	40	6	0	0	
	LIFE SCIENCES	43	0	6	0	24	1	0	70	9	0	0	
	SOCIAL SCIENCES	0	0	9	5	131	11	0	231	111	0	0	

TABLE B-4: GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1970

- CONTINUED -

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED	TOTAL FULL TIME	FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME	
		DHEW NIH OTHER	DHEW NIH DHEW NSF	OTHER FEDERAL SUPPORT	INSTI- TUTIONAL OTHER FEDERAL SUPPORT	ALL OUTSIDE STUDENTS	SUP- PORTED						
CALIFORNIA, CONTINUED	CLAREMONT UNIV CENTER & GRADUATE SCHOOL	0	0	0	0	84	57	14	159	72	308	28	
	TOTAL, ALL AREAS	0	0	0	0	18	4	0	22	131	14	4	
	MATHEMATICAL SCIENCES	0	0	0	0	5	0	0	5	0	3	0	
	LIFE SCIENCES	0	0	0	0	24	5	0	29	11	89	6	
	PSYCHOLOGY	0	0	0	0	37	48	14	99	48	202	18	
	SOCIAL SCIENCES	0	0	0	0	48	14						
DREW POST-GRADUATE MEDICAL SCHOOL	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0	
FULLER THEOLOGICAL SEMINARY	TOTAL, ALL AREAS	0	0	0	0	67	0	80	147	26	0	0	
	PSYCHOLOGY	0	0	0	0	67	0	80	147	26	0	0	
LOMA LINDA UNIVERSITY	TOTAL, ALL AREAS	50	43	0	5	32	2	263	395	183	219	49	
	LIFE SCIENCES	50	43	0	5	29	2	249	378	178	216	49	
	SOCIAL SCIENCES	0	0	0	0	3	0	14	17	5	3	0	
RAND GRADUATE INSTITUTE POLICY STUDIES	TOTAL, ALL AREAS	0	5	0	19	2	9	7	42	8	0	0	
	SOCIAL SCIENCES	0	5	0	19	2	9	7	42	8	0	0	
SAN DIEGO STATE UNIVERSITY	TOTAL, ALL AREAS	2	64	2	18	189	107	883	1,265	414	735	268	
	ENGINEERING	0	0	0	0	2	1	16	19	10	180	64	
	PHYSICAL SCIENCES	2	0	2	0	54	3	17	78	26	22	4	
	ENVIRONMENTAL SCIENCES	0	0	0	0	4	5	40	53	19	15	3	
	MATHEMATICAL SCIENCES	0	0	0	0	16	0	18	34	19	89	40	
	LIFE SCIENCES	0	16	0	11	62	81	410	580	136	252	87	
	PSYCHOLOGY	0	0	0	0	38	0	38	76	21	39	29	
	SOCIAL SCIENCES	0	48	0	3	12	18	344	425	183	138	41	
STANFORD UNIVERSITY	TOTAL, ALL AREAS	199	35	405	530	574	651	677	3,071	1,076	347	46	
	ENGINEERING	35	6	159	297	167	392	312	1,368	533	209	34	
	PHYSICAL SCIENCES	37	0	76	111	59	32	2	317	80	11	1	
	ENVIRONMENTAL SCIENCES	0	10	32	22	32	22	66	184	29	7	0	
	MATHEMATICAL SCIENCES	9	0	70	62	70	130	70	411	153	25	10	
	LIFE SCIENCES	86	4	29	41	23	415	104	265	101	51	1	
	PSYCHOLOGY	26	0	19	1	18	6	9	79	22	0	0	
	SOCIAL SCIENCES	6	15	20	33	205	54	114	447	158	0	0	
THE WRIGHT INSTITUTE	TOTAL, ALL AREAS	0	13	0	31	3	0	160	179	42	21	0	
	PSYCHOLOGY	0	13	0	31	3	0	160	179	42	21	0	
UNIVERSITY OF CALIF AT BERKELEY	TOTAL, ALL AREAS	276	317	286	847	1,399	296	1,901	5,322	1,750	220	40	
	ENGINEERING	11	27	88	491	293	152	745	1,807	687	61	12	
	PHYSICAL SCIENCES	24	4	79	262	194	24	40	627	134	12	3	
	ENVIRONMENTAL SCIENCES	0	2	22	91	35	21	30	100	33	6	1	
	MATHEMATICAL SCIENCES	1	2	17	61	158	17	121	322	84	22	0	
	LIFE SCIENCES	213	175	49	631	316	40	398	1,254	449	59	15	
	PSYCHOLOGY	12	23	3	1	48	5	15	107	20	6	1	
	SOCIAL SCIENCES	15	84	28	15	355	56	552	1,105	343	54	8	
UNIVERSITY OF CALIF AT DAVIS	TOTAL, ALL AREAS	160	22	80	166	837	305	752	2,322	630	78	11	
	ENGINEERING	3	1	11	82	80	60	99	336	117	43	4	
	PHYSICAL SCIENCES	13	0	9	7	107	3	6	145	35	0	0	
	ENVIRONMENTAL SCIENCES	0	0	6	1	27	1	27	62	161	0	0	
	MATHEMATICAL SCIENCES	0	0	0	1	31	1	19	52	14	1	0	
	LIFE SCIENCES	143	21	52	60	453	220	456	1,405	354	30	7	
	PSYCHOLOGY	1	0	0	0	26	4	27	58	10	0	0	
	SOCIAL SCIENCES	0	0	2	15	113	16	118	264	84	4	0	
UNIVERSITY OF CALIF AT IRVINE	TOTAL, ALL AREAS	75	9	23	34	242	30	165	578	171	34	7	
	ENGINEERING	7	0	0	5	21	6	40	79	57	0	0	
	PHYSICAL SCIENCES	9	0	12	14	80	3	2	120	30	5	0	
	MATHEMATICAL SCIENCES	2	0	4	0	36	4	58	104	23	29	7	
	LIFE SCIENCES	57	0	5	7	44	11	16	140	34	0	0	
	PSYCHOLOGY	0	9	1	0	12	2	0	24	7	0	0	
	SOCIAL SCIENCES	0	0	1	8	49	4	49	111	201	0	0	
UNIVERSITY OF CALIF AT LOS ANGELES	TOTAL, ALL AREAS	178	328	205	277	1,008	338	1,557	3,891	1,228	146	38	
	ENGINEERING	2	3	57	83	72	113	266	596	140	50	13	
	PHYSICAL SCIENCES	0	32	84	34	186	33	42	411	106	7	1	
	ENVIRONMENTAL SCIENCES	0	0	33	35	30	17	131	128	32	0	0	
	MATHEMATICAL SCIENCES	0	0	2	26	138	24	142	332	108	48	13	
	LIFE SCIENCES	167	220	151	38	202	32	546	1,220	524	15	6	
	PSYCHOLOGY	0	64	61	13	66	26	28	203	29	0	0	
	SOCIAL SCIENCES	9	9	8	48	314	93	520	1,001	289	26	5	
UNIVERSITY OF CALIF AT RIVERSIDE	TOTAL, ALL AREAS	30	21	28	30	342	138	289	862	301	24	11	
	PHYSICAL SCIENCES	10	0	13	11	49	7	6	96	29	0	0	
	ENVIRONMENTAL SCIENCES	0	0	1	2	13	2	6	24	6	1	1	



TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

-- CONTINUED --

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- SUP- PORTEO			TOTAL YEAR FIRST- TIME	TOTAL YEAR PART TIME	FIRST- YEAR PART TIME	
		DHEW	OTHER	NIH	DHEW	NSF	INSTI- TU- TIONAL FEDERAL SUPPORT	ALL OTHER SUPPORT	OUTS DE- STU- DENTS					
COLORADO, CONTINUED	COLORADO SCHOOL OF MINES	0	0	0	0	0	5	0	0	5	1	5	0	
	MATHEMATICAL SCIENCES	0	2	0	0	0	19	24	16	61	24	37	7	
	SOCIAL SCIENCES													
COLORADO STATE UNIVERSITY	TOTAL, ALL AREAS	71	26	107	377	452	234	287	1,554	478	211	441		
	ENGINEERING	1	0	23	104	74	55	49	306	105	42	101		
	PHYSICAL SCIENCES	8	0	11	33	52	8	7	119	31	71	21		
	ENVIRONMENTAL SCIENCES	0	0	33	111	6	21	9	61	18	3	0		
	MATHEMATICAL SCIENCES	1	0	51	121	65	16	10	109	36	111	61		
	LIFE SCIENCES	61	16	34	184	172	128	166	761	236	110	23		
	PSYCHOLOGY	0	7	0	4	48	2	14	75	19	10	0		
	SOCIAL SCIENCES	0	3	1	29	35	23	32	123	33	28	3		
UNIVERSITY OF COLORADO	TOTAL, ALL AREAS	115	273	81	316	604	136	957	2,482	734	829	231		
	ENGINEERING	0	0	51	50	57	62	83	257	72	159	43		
	PHYSICAL SCIENCES	15	0	31	76	100	11	13	248	72	5	1		
	ENVIRONMENTAL SCIENCES	0	0	18	65	35	1	38	157	31	1	1		
	MATHEMATICAL SCIENCES	0	0	0	2	98	19	86	205	531	39	15		
	LIFE SCIENCES	90	239	18	13	98	14	179	651	4,259	99	23		
	PSYCHOLOGY	9	29	2	23	69	2	59	193	40	10	4		
	SOCIAL SCIENCES	1	5	7	87	147	25	499	771	207	516	144		
UNIVERSITY OF DENVER	TOTAL, ALL AREAS	11	63	7	42	203	48	389	733	293	236	60		
	PHYSICAL SCIENCES	7	0	4	2	15	4	10	42	81	9	21		
	MATHEMATICAL SCIENCES	0	0	0	1	8	1	10	20	6	30	11		
	LIFE SCIENCES	0	20	0	3	5	21	41	71	23	1	0		
	PSYCHOLOGY	2	22	0	7	29	17	59	136	23	36	2		
	SOCIAL SCIENCES	2	21	3	29	146	24	239	464	233	160	45		
UNIVERSITY OF NORTHERN COLORADO	TOTAL, ALL AREAS	0	0	1	6	35	10	63	115	62	15	7		
	PHYSICAL SCIENCES	0	0	0	0	1	2	7	10	5	6	1		
	ENVIRONMENTAL SCIENCES	0	0	0	0	2	1	2	5	4	0	0		
	MATHEMATICAL SCIENCES	0	0	1	1	17	3	17	39	17	3	2		
	LIFE SCIENCES	0	0	0	1	8	2	18	29	18	4	3		
	SOCIAL SCIENCES	0	0	0	4	7	2	19	32	18	2	1		
CONNECTICUT	TOTAL, ALL AREAS	257	228	115	185	1,196	215	843	3,039	928	435	136		
	ENGINEERING	7	7	20	22	143	23	83	305	108	169	50		
	PHYSICAL SCIENCES	26	0	22	56	178	26	17	325	80	21	7		
	ENVIRONMENTAL SCIENCES	0	0	121	41	30	1	18	65	131	31	21		
	MATHEMATICAL SCIENCES	0	2	16	15	86	5	10	136	35	17	1		
	LIFE SCIENCES	216	164	29	35	276	37	436	1,188	414	118	62		
	PSYCHOLOGY	5	35	6	24	115	35	76	296	61	44	21		
	SOCIAL SCIENCES	3	20	15	29	368	88	203	726	217	63	12		
UNIVERSITY OF CONNECTICUT	TOTAL, ALL AREAS	54	75	19	86	610	120	484	1,498	451	398	121		
	ENGINEERING	5	3	7	11	116	18	82	242	84	164	47		
	PHYSICAL SCIENCES	0	0	1	7	69	4	13	96	28	20	7		
	ENVIRONMENTAL SCIENCES	0	0	4	0	11	0	11	26	6	1	1		
	MATHEMATICAL SCIENCES	0	0	0	0	27	1	5	33	8	15	1		
	LIFE SCIENCES	43	57	6	33	156	30	199	524	178	113	60		
	PSYCHOLOGY	5	12	1	21	82	25	62	206	41	44	2		
	SOCIAL SCIENCES	1	3	0	14	149	42	112	321	106	41	3		
HESLEYAN UNIVERSITY	TOTAL, ALL AREAS	12	2	4	5	61	4	8	96	24	10	1		
	PHYSICAL SCIENCES	6	0	21	3	23	1	3	38	9	1	0		
	ENVIRONMENTAL SCIENCES	0	0	0	2	1	0	43	6	1	0	0		
	MATHEMATICAL SCIENCES	0	2	0	0	10	0	1	13	3	2	0		
	LIFE SCIENCES	6	0	2	0	18	0	0	26	4	0	0		
	PSYCHOLOGY	0	0	0	0	6	3	0	9	5	0	0		
	SOCIAL SCIENCES	0	0	0	0	3	0	1	4	2	7	1		
YALE UNIVERSITY	TOTAL, ALL AREAS	191	151	92	94	525	91	351	1,495	453	271	14		
	ENGINEERING	2	4	13	11	27	5	10	63	24	5	3		
	PHYSICAL SCIENCES	20	0	19	46	86	21	1	193	43	0	0		
	ENVIRONMENTAL SCIENCES	0	0	8	2	18	1	4	33	6	2	1		
	MATHEMATICAL SCIENCES	0	0	16	15	49	4	4	88	24	0	0		
	LIFE SCIENCES	167	107	16	2	102	71	237	636	232	51	2		
	PSYCHOLOGY	0	23	5	3	27	71	14	79	15	0	0		
	SOCIAL SCIENCES	2	17	15	15	216	46	90	401	109	15	8		
DELAWARE	TOTAL, ALL AREAS	9	26	51	76	321	65	91	635	201	249	60		
	ENGINEERING	0	0	28	33	48	36	10	155	53	63	12		
	PHYSICAL SCIENCES	1	0	9	3	65	4	2	84	18	27	2		
	ENVIRONMENTAL SCIENCES	0	0	10	16	43	6	23	100	33	32	1		
	MATHEMATICAL SCIENCES	0	0	0	21	36	0	1	39	101	20	11		
	LIFE SCIENCES	3	25	2	9	40	9	15	103	39	39	17		
	PSYCHOLOGY	1	0	2	2	36	10	8	59	12	0	0		
	SOCIAL SCIENCES	0	1	0	9	53	0	32	95	40	68	17		
UNIVERSITY OF DELAWARE	TOTAL, ALL AREAS	5	26	51	76	321	65	91	635	201	249	60		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

CONTINUED

STATE	INSTITUTION NAME	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS			
			FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUPPORTED			FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME	
			DHEN	NIH	OTHER	INSTI-TU-FEDERAL	ALL OTHER	SUP-PORTED	TOTAL	FULL TIME	FIRST-YEAR FULL TIME	FIRST-YEAR PART TIME				
			DHEN	NIH	OTHER	INSTI-TU-FEDERAL	ALL OTHER	SUP-PORTED	TOTAL	FULL TIME	FIRST-YEAR FULL TIME	FIRST-YEAR PART TIME	DHEN	NIH	OTHER	
DELAWARE, CONTINUED.	UNIVERSITY OF DELAWARE	ENGINEERING	0	0	28	33	48	36	10	155	53	63	12			
		PHYSICAL SCIENCES	11	0	9	3	65	4	2	84	18	27	2			
		ENVIRONMENTAL SCIENCES	0	0	10	18	43	6	23	100	33	32	1			
		MATHEMATICAL SCIENCES	0	0	0	2	36	0	1	39	10	20	11			
		LIFE SCIENCES	3	25	2	9	40	9	15	103	35	39	17			
		PSYCHOLOGY	11	0	2	21	36	10	8	59	12	0	0			
		SOCIAL SCIENCES	0	1	0	94	53	0	32	95	40	68	17			
DISTRICT OF COLUMBIA	TOTAL, ALL AREAS		156	184	52	141	793	238	1,935	3,499	1,247	5,215	1,480			
	ENGINEERING		1	1	14	43	51	37	284	431	144	1,642	504			
	PHYSICAL SCIENCES		20	1	20	19	134	29	83	306	103	326	109			
	ENVIRONMENTAL SCIENCES		0	0	0	0	8	0	10	18	5	26	6			
	MATHEMATICAL SCIENCES		0	0	0	4	8	19	61	139	55	341	86			
	LIFE SCIENCES		108	163	14	22	176	67	924	874	314	420	127			
	PSYCHOLOGY		14	75	0	25	84	11	106	247	68	250	21			
	SOCIAL SCIENCES		13	12	0	24	293	70	1,067	1,484	558	2,210	627			
AMERICAN UNIVERSITY	TOTAL, ALL AREAS		0	11	1	10	161	15	535	733	265	1,420	309			
	PHYSICAL SCIENCES		0	0	11	3	3	12	7	30	14	89	26			
	MATHEMATICAL SCIENCES		0	0	0	0	0	12	6	24	8	105	25			
	LIFE SCIENCES		0	0	0	1	13	2	17	33	6	10	2			
	PSYCHOLOGY		0	7	0	4	15	0	3	29	8	10	1			
	SOCIAL SCIENCES		0	4	0	2	109	0	502	617	229	1,216	255			
CATHOLIC UNIVERSITY OF AMERICA	TOTAL, ALL AREAS		28	170	6	55	108	119	258	744	266	1,111	390			
	ENGINEERING		11	1	3	8	19	8	35	75	24	201	59			
	PHYSICAL SCIENCES		5	14	3	4	18	3	8	42	10	42	5			
	MATHEMATICAL SCIENCES		0	0	0	0	2	4	2	1	1	1	7			
	LIFE SCIENCES		9	160	0	10	13	43	48	283	130	239	90			
	PSYCHOLOGY		0	0	0	24	27	8	19	75	26	151	8			
	SOCIAL SCIENCES		13	8	0	12	29	53	146	261	69	384	166			
GEORGETOWN UNIVERSITY	TOTAL, ALL AREAS		311	0	15	35	150	24	447	702	219	2,221	572			
	ENGINEERING		0	0	11	24	6	17	228	286	85	1,325	370			
	PHYSICAL SCIENCES		0	0	0	0	14	0	33	47	28	174	73			
	ENVIRONMENTAL SCIENCES		0	0	0	0	8	0	10	18	5	26	6			
	MATHEMATICAL SCIENCES		0	0	2	5	11	1	36	55	17	202	49			
	LIFE SCIENCES		221	0	21	0	43	3	42	112	19	108	12			
	PSYCHOLOGY		9	0	0	0	22	3	29	63	17	77	5			
	SOCIAL SCIENCES		0	0	0	6	46	0	69	121	48	309	57			
HOWARD UNIVERSITY	TOTAL, ALL AREAS		63	2	17	20	262	44	331	739	276	298	128			
	ENGINEERING		0	0	0	11	11	26	21	70	35	36	20			
	PHYSICAL SCIENCES		9	0	5	5	53	3	22	97	25	8	3			
	MATHEMATICAL SCIENCES		0	0	2	3	21	8	124	46	28	14	4			
	LIFE SCIENCES		49	2	10	11	61	7	61	191	41	31	12			
	PSYCHOLOGY		2	0	0	0	201	0	59	80	27	21	7			
	SOCIAL SCIENCES		0	0	0	0	81	14	160	255	120	188	82			
FLORIDA	TOTAL, ALL AREAS		204	130	220	554	1,621	548	1,721	4,998	1,830	2,976	1,660			
	ENGINEERING		10	0	38	207	181	71	228	735	406	1,221	1,104			
	PHYSICAL SCIENCES		24	0	55	39	225	4	44	391	112	30	31			
	ENVIRONMENTAL SCIENCES		12	7	68	40	123	21	151	422	149	84	39			
	MATHEMATICAL SCIENCES		0	2	4	22	154	46	36	272	129	134	98			
	LIFE SCIENCES		86	27	34	107	437	187	447	1,325	430	241	65			
	PSYCHOLOGY		60	41	19	30	126	152	248	676	129	303	96			
	SOCIAL SCIENCES		4	53	2	109	375	67	567	1,177	475	963	261			
FLORIDA INSTITUTE OF TECHNOLOGY	TOTAL, ALL AREAS		0	0	0	122	79	102	201	504	338	1,184	1,133			
	ENGINEERING		0	0	0	112	12	12	42	178	177	1,017	1,016			
	PHYSICAL SCIENCES		0	0	0	0	12	0	3	15	15	2	2			
	ENVIRONMENTAL SCIENCES		0	0	0	1	21	4	37	63	63	33	33			
	MATHEMATICAL SCIENCES		0	0	0	8	121	361	2	58	58	67	67			
	LIFE SCIENCES		0	0	0	1	19	0	10	30	10	3	0			
	PSYCHOLOGY		0	0	0	0	3	50	1071	160	15	62	15			
FLORIDA STATE UNIVERSITY	TOTAL, ALL AREAS		76	61	81	161	331	70	507	1,367	527	286	62			
	PHYSICAL SCIENCES		21	0	28	171	56	11	12	135	42	31	0			
	ENVIRONMENTAL SCIENCES		10	7	29	19	29	4	29	127	33	71	21			
	MATHEMATICAL SCIENCES		8	0	0	12	29	3	15	22	6	41	31			
	LIFE SCIENCES		11	14	13	201	48	91	104	219	91	41	31			
	PSYCHOLOGY		23	4	6	91	28	201	46	136	29	19	0			
	SOCIAL SCIENCES		3	361	1	841	141	331	381	679	310	215	54			
NOVA UNIVERSITY	TOTAL, ALL AREAS		0	0	1	01	61	91	63	79	191	745	275			

TABLE B-1 GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION 1978

CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED STU- DENTS			TOTAL FULL TIME	FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME
	DHEW NIH DHEW NSF	OTHER DHEW NSF	TU- FEDERAL SUPPORT	INSTI- TUTIONAL SUPPORT	OUTSIDE SUPPORT	OTHER SUPPORT	STU- DENTS	ALL TIME					
FLORIDA, CONTINUED													
NOVA UNIVERSITY	0	0	11	0	0	0	0	0	1	0	0	0	0
ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	0	0	40	0	22	10	10
MATHEMATICAL SCIENCES	0	0	0	0	2	1	19	22	151	151	7	7	7
LIFE SCIENCES	0	0	0	0	4	8	44	56	4	160	80	80	80
PSYCHOLOGY	0	0	0	0	0	0	0	0	0	548	178	178	178
SOCIAL SCIENCES	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF FLORIDA													
TOTAL, ALL AREAS	78	36	89	207	846	279	429	1,963	582	252	42	42	42
ENGINEERING	10	0	33	85	136	50	110	424	150	74	19	19	19
PHYSICAL SCIENCES	3	0	26	17	103	0	24	173	34	9	1	1	1
ENVIRONMENTAL SCIENCES	0	0	5	1	25	3	13	47	16	7	0	0	0
MATHEMATICAL SCIENCES	0	2	0	21	65	3	5	77	31	8	2	2	2
LIFE SCIENCES	46	12	13	75	290	165	155	766	218	70	17	17	17
PSYCHOLOGY	19	23	11	9	48	26	121	148	32	41	0	0	0
SOCIAL SCIENCES	0	91	1	18	178	32	110	348	101	50	3	3	3
UNIVERSITY OF MIAMI													
TOTAL, ALL AREAS	34	22	44	36	178	39	218	571	173	203	71	71	71
ENGINEERING	0	0	4	81	25	7	32	76	24	71	23	23	23
PHYSICAL SCIENCES	0	0	1	21	21	3	1	28	11	7	0	0	0
ENVIRONMENTAL SCIENCES	21	0	33	161	321	101	60	153	26	9	1	1	1
MATHEMATICAL SCIENCES	0	0	0	0	26	1	11	38	16	19	5	5	5
LIFE SCIENCES	29	10	4	71	38	11	25	124	44	41	30	30	30
PSYCHOLOGY	21	12	2	21	22	5	36	81	21	0	0	0	0
SOCIAL SCIENCES	1	0	0	11	14	2	53	71	31	56	12	12	12
UNIVERSITY OF SOUTH FLORIDA													
TOTAL, ALL AREAS	16	5	28	182	49	223	514	191	306	76	46	46	46
ENGINEERING	0	0	1	21	8	24	44	57	55	59	0	0	0
PHYSICAL SCIENCES	0	0	0	31	33	0	4	40	10	9	0	0	0
ENVIRONMENTAL SCIENCES	0	0	3	16	0	12	31	11	28	12	4	4	4
MATHEMATICAL SCIENCES	0	0	0	22	3	3	28	21	52	71	8	8	8
LIFE SCIENCES	0	4	4	40	1	114	184	52	28	33	33	33	33
PSYCHOLOGY	16	2	0	10	21	43	3	99	28	33	94	94	94
SOCIAL SCIENCES	0	6	0	62	0	23	79	33	94	10	0	0	0
GEORGIA													
TOTAL, ALL AREAS	157	163	100	255	1,562	316	1,398	3,951	1,573	1,136	460	460	460
ENGINEERING	3	71	22	119	296	134	248	779	405	287	124	124	124
PHYSICAL SCIENCES	42	0	101	24	224	23	22	353	106	78	22	22	22
ENVIRONMENTAL SCIENCES	0	71	5	15	36	5	21	89	41	22	8	8	8
MATHEMATICAL SCIENCES	3	3	6	5	113	28	109	267	136	167	90	90	90
LIFE SCIENCES	91	52	46	61	496	84	282	1,112	377	194	98	98	98
PSYCHOLOGY	12	23	0	5	163	19	165	387	98	62	11	11	11
SOCIAL SCIENCES	6	71	3	26	284	23	551	964	410	326	107	107	107
ATLANTA UNIVERSITY													
TOTAL, ALL AREAS	47	52	23	20	79	30	180	431	186	59	34	34	34
PHYSICAL SCIENCES	13	0	5	4	16	8	0	46	19	6	0	0	0
MATHEMATICAL SCIENCES	0	0	4	0	5	4	0	13	9	6	1	1	1
LIFE SCIENCES	34	8	121	0	64	9	24	93	32	6	3	3	3
SOCIAL SCIENCES	0	44	2	16	52	9	156	279	124	43	30	30	30
EMORY UNIVERSITY													
TOTAL, ALL AREAS	22	31	11	2	190	61	96	348	140	156	41	41	41
PHYSICAL SCIENCES	2	0	11	0	34	1	0	38	10	14	1	1	1
ENVIRONMENTAL SCIENCES	0	0	0	0	21	0	1	3	21	11	2	2	2
MATHEMATICAL SCIENCES	0	0	0	0	9	0	1	40	3	11	1	1	1
LIFE SCIENCES	18	31	0	1	94	21	64	210	101	82	41	41	41
PSYCHOLOGY	0	0	0	1	31	0	19	51	14	13	0	0	0
SOCIAL SCIENCES	2	0	0	10	20	3	11	36	10	35	2	2	2
GEORGIA INSTITUTE OF TECHNOLOGY													
TOTAL, ALL AREAS	24	12	34	158	388	181	389	1,186	593	432	200	200	200
ENGINEERING	3	7	22	119	237	134	248	770	401	287	124	124	124
PHYSICAL SCIENCES	17	0	71	13	80	6	21	125	31	16	6	6	6
ENVIRONMENTAL SCIENCES	0	0	0	0	21	0	1	38	19	15	6	6	6
MATHEMATICAL SCIENCES	3	3	11	5	39	24	121	117	75	83	58	58	58
LIFE SCIENCES	1	2	0	1	9	9	14	36	27	11	1	1	1
PSYCHOLOGY	0	0	0	0	11	5	20	36	10	7	1	1	1
SOCIAL SCIENCES	0	0	0	5	6	0	53	64	30	23	6	6	6
GEORGIA STATE UNIVERSITY													
TOTAL, ALL AREAS	5	30	2	11	109	1	300	458	161	368	139	139	139
PHYSICAL SCIENCES	3	0	0	0	8	1	6	18	7	40	17	17	17
MATHEMATICAL SCIENCES	0	0	0	0	16	0	56	72	36	64	28	28	28
LIFE SCIENCES	2	10	2	11	7	0	19	51	22	45	32	32	32
PSYCHOLOGY	0	8	0	0	32	0	70	110	32	42	10	10	10
SOCIAL SCIENCES	0	12	0	0	46	0	149	207	64	177	52	52	52
MEDICAL COLLEGE OF GEORGIA													
TOTAL, ALL AREAS	7	0	0	1	35	20	18	81	21	9	4	4	4
LIFE SCIENCES	7	0	0	11	35	20	18	81	21	9	4	4	4
MERCER UNIVERSITY													
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIVERSITY OF GEORGIA													
TOTAL, ALL AREAS	52	38	401	631	7611	781	4151	1,4471	4741	1121	361	361	361

TABLE A-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUPPORTED			FIRST-YEAR FULL-TIME	TOTAL PART-TIME	FIRST-YEAR PART-TIME
		DHEW	NIH	OTHER	OTHER	INSTI-TUTIONAL SUPPORT	ALL OTHER SUPPORT	OUTSIDE SUPPORT	PORTEO STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART-TIME	FIRST-YEAR PART-TIME	
GEORGIA, CONTINUED	UNIVERSITY OF GEORGIA													
	ENGINEERING	0	0	0	0	9	0	0	0	9	4	0	0	0
	PHYSICAL SCIENCES	7	0	5	7	86	7	14	126	39	2	0	0	0
	ENVIRONMENTAL SCIENCES	0	7	1	0	28	2	10	48	20	6	1	1	
	MATHEMATICAL SCIENCES	0	0	1	0	44	0	10	55	13	5	1	1	
	LIFE SCIENCES	29	1	32	47	345	44	143	641	174	51	17		
	PSYCHOLOGY	12	15	0	4	89	14	56	190	42	0	0	0	
	SOCIAL SCIENCES	4	15	1	5	160	11	182	378	182	48	17		
HAWAII	TOTAL, ALL AREAS	34	62	75	254	326	114	468	1,333	345	168	31		
	ENGINEERING	0	0	12	19	15	8	24	78	23	26	7		
	PHYSICAL SCIENCES	2	0	12	15	42	3	10	84	16	0	0		
	ENVIRONMENTAL SCIENCES	0	6	29	42	20	8	21	126	34	8	0		
	MATHEMATICAL SCIENCES	0	0	0	2	13	0	35	50	11	11	1		
	LIFE SCIENCES	29	35	16	82	100	49	179	490	154	33	7		
	PSYCHOLOGY	3	14	5	7	15	12	56	112	11	0	0		
	SOCIAL SCIENCES	0	7	1	87	121	34	143	393	96	90	16		
UNIVERSITY OF HAWAII AT MANOA	TOTAL, ALL AREAS	34	62	75	254	326	114	468	1,333	345	168	31		
	ENGINEERING	0	0	12	19	15	8	24	78	23	26	7		
	PHYSICAL SCIENCES	2	0	12	15	42	3	10	84	16	0	0		
	ENVIRONMENTAL SCIENCES	0	6	29	42	20	8	21	126	34	8	0		
	MATHEMATICAL SCIENCES	0	0	0	2	13	0	35	50	11	11	1		
	LIFE SCIENCES	29	35	16	82	100	49	179	490	154	33	7		
	PSYCHOLOGY	3	14	5	7	15	12	56	112	11	0	0		
	SOCIAL SCIENCES	0	7	1	87	121	34	143	393	96	90	16		
IDAHO	TOTAL, ALL AREAS	12	17	6	82	278	67	333	795	248	396	222		
	ENGINEERING	0	11	1	14	25	18	34	103	37	233	192		
	PHYSICAL SCIENCES	3	1	0	1	37	3	6	51	16	6	1		
	ENVIRONMENTAL SCIENCES	9	0	0	18	16	8	67	118	29	46	1		
	MATHEMATICAL SCIENCES	0	0	1	0	25	1	0	27	6	3	2		
	LIFE SCIENCES	0	0	4	46	118	37	156	361	116	50	13		
	PSYCHOLOGY	0	0	0	0	7	0	19	26	14	3	2		
	SOCIAL SCIENCES	0	5	0	3	50	0	51	109	30	55	11		
IDAHO STATE UNIVERSITY	TOTAL, ALL AREAS	0	0	4	8	75	8	83	178	59	59	22		
	ENGINEERING	0	0	0	0	4	0	1	5	1	8	6		
	PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	4	3	1		
	ENVIRONMENTAL SCIENCES	0	0	0	2	4	1	17	28	9	5	1		
	MATHEMATICAL SCIENCES	0	0	1	0	15	0	0	16	3	2	1		
	LIFE SCIENCES	0	0	3	6	29	7	44	89	20	16	5		
	PSYCHOLOGY	0	0	0	0	5	0	13	15	11	2	2		
	SOCIAL SCIENCES	0	0	0	0	15	0	8	23	6	23	6		
UNIVERSITY OF IDAHO	TOTAL, ALL AREAS	12	17	2	74	203	59	250	617	194	337	200		
	ENGINEERING	0	11	1	14	21	18	33	98	36	225	186		
	PHYSICAL SCIENCES	3	1	0	1	31	3	6	45	12	3	0		
	ENVIRONMENTAL SCIENCES	9	0	0	16	12	7	50	94	20	41	0		
	MATHEMATICAL SCIENCES	0	0	0	0	10	1	0	11	31	1	1		
	LIFE SCIENCES	0	0	1	40	89	30	112	272	96	34	8		
	PSYCHOLOGY	0	0	0	0	5	0	6	11	3	1	0		
	SOCIAL SCIENCES	0	5	0	3	35	0	43	86	24	32	5		
ILLINOIS	TOTAL, ALL AREAS	592	547	775	1,041	4,532	796	2,946	11,229	4,027	4,077	1,432		
	ENGINEERING	28	26	218	446	608	223	347	1,696	770	946	346		
	PHYSICAL SCIENCES	54	36	313	151	652	79	46	1,331	334	141	28		
	ENVIRONMENTAL SCIENCES	0	2	65	18	113	36	17	251	99	57	12		
	MATHEMATICAL SCIENCES	4	0	61	60	530	29	199	883	297	312	90		
	LIFE SCIENCES	394	273	50	232	1,102	142	702	2,935	1,075	1,070	422		
	PSYCHOLOGY	88	104	15	50	456	20	309	1,042	320	937	83		
	SOCIAL SCIENCES	24	106	53	84	1,073	227	1,326	2,891	1,132	1,114	451		
CHICAGO COLL OF OSTEOPATH MED & SURGERY	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
DE PAUL UNIVERSITY	TOTAL, ALL AREAS	0	42	1	0	70	0	147	260	110	281	113		
	PHYSICAL SCIENCES	0	0	0	0	15	0	5	20	7	16	7		
	MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	0	5	2		
	LIFE SCIENCES	0	42	1	0	12	0	19	74	37	84	34		
	PSYCHOLOGY	0	0	0	0	30	0	12	42	26	39	0		
	SOCIAL SCIENCES	0	0	0	0	9	0	111	120	50	137	70		
ILLINOIS INSTITUTE OF TECHNOLOGY	TOTAL, ALL AREAS	61	29	15	28	162	33	112	385	144	1,082	325		
	ENGINEERING	0	1	10	28	82	29	49	199	71	599	210		
	PHYSICAL SCIENCES	4	0	3	0	23	0	1	31	91	22	51		
	MATHEMATICAL SCIENCES	0	0	2	0	36	2	4	44	8	185	35		
	LIFE SCIENCES	21	0	0	0	5	0	7	14	7	65	36		
	PSYCHOLOGY	0	28	0	0	12	0	45	85	47	150	28		
	SOCIAL SCIENCES	0	0	0	0	4	2	6	12	21	61	111		
ILLINOIS STATE UNIVERSITY	TOTAL, ALL AREAS	41	21	11	21	142	41	142	297	140	139	48		

TABLE B-6. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS - 1970

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUP- PORTED STU- DENTS	TOTAL FULL TIME	FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME	
	OHEN	OTHER	NSF	INSTI- TU- TIONAL SUPPORT	ALL FEDERAL SUPPORT	OUTSIDE SUPPORT	OTHER SUPPORT						
ILLINOIS, CONTINUED													
ILLINOIS STATE UNIVERSITY													
PHYSICAL SCIENCES	0	0	1	0	16	0	3	26	14	2	1		
ENVIRONMENTAL SCIENCES	0	0	0	0	7	0	2	9	51	0	0		
MATHEMATICAL SCIENCES	0	0	0	1	15	0	0	16	51	17	4		
LIFE SCIENCES	4	0	0	1	52	1	69	127	54	48	25		
PSYCHOLOGY	0	0	0	0	30	0	46	76	37	44	12		
SOCIAL SCIENCES	0	2	0	0	22	3	22	49	25	28	6		
LOYOLA UNIVERSITY OF CHICAGO													
TOTAL, ALL AREAS	20	30	0	41	144	29	309	573	244	286	108		
PHYSICAL SCIENCES	0	0	0	0	18	1	11	20	7	32	7		
MATHEMATICAL SCIENCES	0	0	0	0	1	0	1	2	2	6	6		
LIFE SCIENCES	10	24	0	5	58	17	81	195	82	87	40		
PSYCHOLOGY	7	0	0	28	34	4	44	157	45	71	0		
SOCIAL SCIENCES	3	6	0	8	33	7	14	199	108	155	55		
NORTHERN ILLINOIS UNIVERSITY													
TOTAL, ALL AREAS	7	37	17	8	335	22	218	644	294	473	113		
PHYSICAL SCIENCES	3	2	3	0	42	0	4	59	18	17	0		
ENVIRONMENTAL SCIENCES	0	0	131	1	13	11	4	42	24	6	0		
MATHEMATICAL SCIENCES	0	0	0	0	50	0	104	156	72	57	30		
LIFE SCIENCES	4	33	0	2	56	2	67	164	111	196	53		
PSYCHOLOGY	0	2	1	4	47	0	5	59	18	30	0		
SOCIAL SCIENCES	0	0	0	1	127	9	34	171	51	167	30		
NORTHWESTERN UNIVERSITY													
TOTAL, ALL AREAS	116	20	145	98	459	131	175	1,144	392	177	73		
ENGINEERING	14	15	61	66	126	70	90	442	180	115	46		
PHYSICAL SCIENCES	19	0	56	7	64	18	2	166	44	7	0		
ENVIRONMENTAL SCIENCES	0	1	5	0	6	2	1	15	2	12	0		
MATHEMATICAL SCIENCES	0	0	2	6	42	2	11	93	15	1	0		
LIFE SCIENCES	53	0	11	3	71	19	27	169	51	31	18		
PSYCHOLOGY	22	2	4	3	49	0	7	87	22	0	0		
SOCIAL SCIENCES	6	2	16	13	101	25	47	212	78	11	9		
RUSH UNIVERSITY													
TOTAL, ALL AREAS	3	27	0	0	9	3	42	86	65	86	46		
LIFE SCIENCES	1	3	27	0	9	3	42	86	65	56	46		
SOUTHERN ILLINOIS UNIV AT CARBONDALE													
TOTAL, ALL AREAS	14	14	1	8	524	9	88	653	207	336	100		
ENGINEERING	0	3	0	1	19	0	4	27	14	40	16		
PHYSICAL SCIENCES	0	0	0	0	38	0	5	43	9	23	2		
ENVIRONMENTAL SCIENCES	0	1	0	0	26	0	0	27	18	7	3		
MATHEMATICAL SCIENCES	0	0	0	0	33	0	7	40	17	12	4		
LIFE SCIENCES	0	2	0	3	219	0	33	257	83	114	39		
PSYCHOLOGY	14	8	0	1	75	0	13	111	31	87	21		
SOCIAL SCIENCES	0	0	1	3	114	4	26	148	35	53	15		
SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE													
TOTAL, ALL AREAS	0	3	3	13	147	0	0	166	57	224	75		
* PHYSICAL SCIENCES	0	0	0	0	19	8	0	19	7	8	3		
* ENVIRONMENTAL SCIENCES	0	0	0	1	14	0	0	15	5	15	5		
* MATHEMATICAL SCIENCES	0	0	0	0	11	0	0	11	4	8	3		
* LIFE SCIENCES	0	1	1	12	28	0	0	42	14	46	16		
* PSYCHOLOGY	0	1	0	0	28	0	0	29	10	60	20		
* SOCIAL SCIENCES	0	1	2	0	47	0	0	50	17	87	28		
UNIV OF ILLINOIS MEC CENTER - CHICAGO													
TOTAL, ALL AREAS	41	107	1	10	176	32	143	510	188	220	80		
LIFE SCIENCES	41	107	1	10	176	32	143	510	188	220	80		
UNIVERSITY OF CHICAGO													
TOTAL, ALL AREAS	213	38	176	89	297	113	487	1,415	431	78	7		
PHYSICAL SCIENCES	47	0	92	59	64	19	0	251	46	1	0		
ENVIRONMENTAL SCIENCES	0	0	28	6	16	1	3	54	17	0	0		
MATHEMATICAL SCIENCES	0	0	19	3	65	5	21	94	21	1	0		
LIFE SCIENCES	158	6	13	13	34	10	63	297	79	31	0		
PSYCHOLOGY	28	4	1	0	19	3	44	99	31	15	2		
SOCIAL SCIENCES	10	28	25	8	99	75	375	620	242	58	5		
UNIVERSITY OF HEALTH SCIENCES													
TOTAL, ALL AREAS	1	0	0	0	23	1	34	59	23	17	5		
LIFE SCIENCES	1	0	0	0	20	1	18	40	15	17	5		
PSYCHOLOGY	0	0	0	0	3	0	16	19	8	0	0		
UNIVERSITY OF ILLINOIS - CHICAGO CIRCLE													
TOTAL, ALL AREAS	24	61	44	20	500	54	443	1,146	420	471	287		
ENGINEERING	12	11	24	16	71	4	108	236	114	145	62		
PHYSICAL SCIENCES	2	1	10	1	95	3	19	126	26	11	2		
ENVIRONMENTAL SCIENCES	0	0	2	0	15	0	5	22	10	0	0		
MATHEMATICAL SCIENCES	0	0	2	1	74	1	7	85	19	14	5		
LIFE SCIENCES	3	0	5	0	71	0	6	83	18	11	4		
PSYCHOLOGY	6	19	0	0	60	1	34	120	21	51	0		
* SOCIAL SCIENCES	11	40	1	2	114	45	271	474	212	285	214		
UNIVERSITY OF ILLINOIS - URBANA													
TOTAL, ALL AREAS	143	137	369	724	1,544	370	606	3,893	1,912	237	52		
ENGINEERING	21	61	123	335	310	120	96	992	391	47	12		
SCIENCE	91	331	1481	84	2581	381	111	5811	1471	31	11		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- SUP- PORTEO			TOTAL FULL TIME	FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME
		DHEW	NIH	OTHER	TU- INSTI- TUT	OTHER	NATIONAL FEDERAL SUPPORT	OUTSIDE SUPPORT	STU- DENTS	ALL OTHER SUPPORT				
ILLINOIS, CONTINUED	UNIVERSITY OF ILLINOIS - URBANA													
	ENVIRONMENTAL SCIENCES	0	0	17	10	16	22	21	67	18	17	4		
	MATHEMATICAL SCIENCES	4	0	36	49	199	19	73	380	134	6	1		
	LIFE SCIENCES	115	31	28	183	291	102	129	879	276	92	26		
	PSYCHOLOGY	11	40	9	14	69	12	31	158	34	0	0		
	SOCIAL SCIENCES	2	27	8	49	401	57	292	636	312	72	8		
INDIANA	TOTAL, ALL AREAS	289	152	313	558	2,720	521	1,124	5,677	1,852	1,436	460		
	ENGINEERING	10	5	121	258	372	158	161	1,085	376	347	86		
	PHYSICAL SCIENCES	76	0	106	64	461	30	27	762	205	59	8		
	ENVIRONMENTAL SCIENCES	0	9	19	13	71	13	54	179	48	39	9		
	MATHEMATICAL SCIENCES	3	3	5	10	365	42	86	514	210	176	96		
	LIFE SCIENCES	167	98	39	114	691	156	371	1,638	557	457	175		
	PSYCHOLOGY	32	21	14	24	272	14	127	504	155	102	19		
	SOCIAL SCIENCES	1	16	11	75	488	106	298	995	301	256	67		
BALL STATE UNIVERSITY	TOTAL, ALL AREAS	0	0	0	6	156	0	70	232	132	301	99		
	PHYSICAL SCIENCES	0	0	0	0	13	0	2	15	10	10	4		
	ENVIRONMENTAL SCIENCES	0	0	0	0	0	2	0	61	8	13	7		
	MATHEMATICAL SCIENCES	0	0	0	0	22	0	9	27	20	18	8		
	LIFE SCIENCES	0	0	0	6	36	0	171	59	42	116	34		
	PSYCHOLOGY	0	0	0	0	37	0	281	65	22	44	12		
	SOCIAL SCIENCES	0	0	0	0	46	0	121	58	34	100	34		
INDIANA STATE UNIVERSITY	TOTAL, ALL AREAS	0	0	0	6	132	5	90	233	97	96	24		
	PHYSICAL SCIENCES	0	0	0	2	13	0	3	18	11	8	1		
	ENVIRONMENTAL SCIENCES	0	0	0	0	28	0	151	43	4	15	0		
	MATHEMATICAL SCIENCES	0	0	0	0	51	0	151	20	8	8	5		
	LIFE SCIENCES	0	0	0	0	31	1	101	42	91	15	5		
	PSYCHOLOGY	0	0	0	3	28	0	188	49	25	0	0		
	SOCIAL SCIENCES	0	0	0	1	27	4	29	61	40	50	13		
INDIANA UNIVERSITY - BLOOMINGTON	TOTAL, ALL AREAS	85	97	80	75	693	122	334	1,486	427	338	106		
	PHYSICAL SCIENCES	35	0	40	28	125	16	18	262	60	1	0		
	ENVIRONMENTAL SCIENCES	0	6	5	4	27	6	261	74	29	5	0		
	MATHEMATICAL SCIENCES	0	0	3	1	154	10	18	186	51	28	10		
	LIFE SCIENCES	27	81	25	18	126	31	140	438	166	212	87		
	PSYCHOLOGY	23	0	6	0	48	0	1	78	23	31	0		
	SOCIAL SCIENCES	0	10	11	24	213	59	131	448	98	61	9		
INDIANA-PURDUE UNIV AT INDIANAPOLIS	TOTAL, ALL AREAS	39	2	1	0	62	13	76	193	52	36	9		
	LIFE SCIENCES	39	2	1	0	62	13	76	193	52	36	9		
PURDUE UNIVERSITY	TOTAL, ALL AREAS	144	49	219	433	1,376	350	411	2,982	978	600	206		
	ENGINEERING	10	5	110	230	326	148	139	960	337	315	81		
	PHYSICAL SCIENCES	30	0	64	25	245	10	4	378	94	33	0		
	ENVIRONMENTAL SCIENCES	0	3	14	9	14	7	7	54	11	6	2		
	MATHEMATICAL SCIENCES	3	3	2	9	152	30	48	247	119	122	73		
	LIFE SCIENCES	98	15	23	90	398	108	116	898	275	67	35		
	PSYCHOLOGY	3	20	6	21	119	14	34	217	57	23	6		
	SOCIAL SCIENCES	0	3	0	49	122	33	63	270	85	34	9		
UNIVERSITY OF NOTRE DAME	TOTAL, ALL AREAS	21	4	13	38	301	31	143	591	166	65	16		
	ENGINEERING	0	0	13	28	46	20	22	117	39	32	5		
	PHYSICAL SCIENCES	11	0	0	9	14	4	0	89	30	7	3		
	MATHEMATICAL SCIENCES	0	0	0	0	12	2	0	34	12	0	0		
	LIFE SCIENCES	3	0	0	0	38	5	12	56	13	11	5		
	PSYCHOLOGY	6	1	2	0	40	0	46	95	28	4	1		
	SOCIAL SCIENCES	1	3	0	1	80	10	63	158	44	11	2		
IDAHO	TOTAL, ALL AREAS	140	91	74	340	1,449	270	835	3,199	1,033	1,069	212		
	ENGINEERING	7	2	25	111	274	28	193	640	250	188	46		
	PHYSICAL SCIENCES	13	0	20	112	194	6	21	366	87	161	1		
	ENVIRONMENTAL SCIENCES	3	0	1	3	50	2	22	81	18	25	4		
	MATHEMATICAL SCIENCES	1	3	6	9	185	7	86	297	101	42	5		
	LIFE SCIENCES	109	65	16	63	414	155	259	1,081	333	920	80		
	PSYCHOLOGY	4	13	1	4	79	5	6	112	31	63	10		
	SOCIAL SCIENCES	3	8	5	38	253	67	248	622	213	315	71		
COLLEGE OF OSTEOPATHIC MED & SURGERY	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
IOWA STATE UNIVERSITY OF SCI & TECH	TOTAL, ALL AREAS	45	0	39	238	827	206	376	1,731	503	568	99		
	ENGINEERING	0	0	15	60	220	6	138	439	147	133	23		
	PHYSICAL SCIENCES	9	0	11	98	126	0	9	253	53	161	1		
	ENVIRONMENTAL SCIENCES	3	0	0	3	19	0	6	31	5	7	4		
	MATHEMATICAL SCIENCES	1	0	4	9	100	5	28	147	46	29	5		
	LIFE SCIENCES	28	0	7	46	214	144	120	561	165	213	29		
	PSYCHOLOGY	4	0	0	2	45	1	6	50	19	39	10		
	SOCIAL SCIENCES	0	0	2	16	103	50	69	292	68	131	27		
UNIVERSITY OF IDAHO	TOTAL, ALL AREAS	95	91	35	102	622	64	459	1,460	530	501	116		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED				FIRST- YEAR	TOTAL GRADUATE STUDENTS	
		DHEW	NIH	OTHER	NSF	INSTI-	TU-	ALL	SUP-	STU-	FULL	FIRST-	PART	
		DHEW	DHEW	OTHER	NSF	FEDERAL	OTHER	OUTSIDE	SUPPORT	STU-	FULL	FIRST-	PART	
IOWA, CONTINUED	UNIVERSITY OF IOWA													
	ENGINEERING	7	2	10	51	54	22	35	201	103	55	21		
	PHYSICAL SCIENCES	4	0	9	14	68	6	12	113	34	0	0		
	ENVIRONMENTAL SCIENCES	0	0	1	0	31	2	16	90	13	18	0		
	MATHEMATICAL SCIENCES	0	3	2	0	85	2	58	150	55	131	0		
	LIFE SCIENCES	81	65	9	15	200	11	139	520	168	207	91		
	PSYCHOLOGY	0	13	1	2	34	4	0	54	12	24	0		
	SOCIAL SCIENCES	3	8	3	20	150	17	179	380	145	184	44		
KANSAS	TOTAL, ALL AREAS	160	167	69	218	1,187	308	953	3,062	894	1,351	223		
	ENGINEERING	1	6	20	67	125	54	178	451	127	190	29		
	PHYSICAL SCIENCES	6	0	19	23	132	2	23	205	9	16	0		
	ENVIRONMENTAL SCIENCES	0	0	4	11	32	6	14	67	27	38	7		
	MATHEMATICAL SCIENCES	0	0	1	7	120	9	67	204	58	101	21		
	LIFE SCIENCES	109	76	23	34	422	117	218	990	315	430	72		
	PSYCHOLOGY	50	65	0	17	116	91	71	410	101	68	7		
	SOCIAL SCIENCES	3	20	2	59	240	29	382	735	222	574	106		
KANSAS STATE UNIV OF AGR & APPLIED SCI	TOTAL, ALL AREAS	13	22	25	80	488	118	298	1,044	355	234	55		
	ENGINEERING	0	0	9	18	73	11	76	187	61	25	2		
	PHYSICAL SCIENCES	0	0	9	12	55	2	4	82	24	5	0		
	ENVIRONMENTAL SCIENCES	0	0	1	1	5	1	3	11	3	3	0		
	MATHEMATICAL SCIENCES	0	0	0	4	56	3	29	92	29	22	4		
	LIFE SCIENCES	8	4	5	30	202	87	110	446	146	103	34		
	PSYCHOLOGY	2	0	0	0	19	2	11	34	13	4	0		
	SOCIAL SCIENCES	3	18	1	15	78	12	65	192	79	72	15		
UNIVERSITY OF KANSAS	TOTAL, ALL AREAS	147	125	44	104	579	190	538	1,727	499	635	123		
	ENGINEERING	2	6	11	45	42	43	77	225	54	91	18		
	PHYSICAL SCIENCES	6	0	10	91	54	0	14	93	21	31	0		
	ENVIRONMENTAL SCIENCES	0	0	3	10	21	5	7	46	18	16	1		
	MATHEMATICAL SCIENCES	0	0	1	3	56	6	37	103	28	9	1		
	LIFE SCIENCES	92	52	18	4	197	30	77	670	162	209	29		
	PSYCHOLOGY	48	65	0	17	78	89	54	351	81	27	7		
	SOCIAL SCIENCES	0	2	1	16	131	17	272	439	135	280	67		
WICHITA STATE UNIVERSITY	TOTAL, ALL AREAS	0	20	0	34	120	0	117	291	40	482	45		
	ENGINEERING	0	0	0	4	10	0	25	39	12	82	9		
	PHYSICAL SCIENCES	0	0	0	2	23	0	5	30	2	8	0		
	ENVIRONMENTAL SCIENCES	0	0	0	0	6	0	4	10	3	8	1		
	MATHEMATICAL SCIENCES	0	0	0	0	8	0	1	9	1	7	2		
	LIFE SCIENCES	0	20	0	0	23	0	31	74	7	118	9		
	PSYCHOLOGY	0	0	0	0	19	0	6	25	7	37	0		
	SOCIAL SCIENCES	0	0	0	28	31	0	45	104	6	222	24		
KENTUCKY	TOTAL, ALL AREAS	26	67	33	141	806	69	596	1,738	699	724	342		
	ENGINEERING	0	6	21	23	71	11	109	241	160	167	93		
	PHYSICAL SCIENCES	4	0	4	2	78	4	3	95	15	23	4		
	ENVIRONMENTAL SCIENCES	0	3	0	6	15	2	2	28	12	7	1		
	MATHEMATICAL SCIENCES	0	0	0	1	103	3	24	131	69	54	14		
	LIFE SCIENCES	10	21	5	47	337	25	229	674	245	175	91		
	PSYCHOLOGY	9	7	0	13	65	10	40	144	25	24	0		
	SOCIAL SCIENCES	3	30	3	49	137	14	189	425	178	274	139		
UNIVERSITY OF KENTUCKY	TOTAL, ALL AREAS	18	67	31	125	596	46	286	1,169	437	341	95		
	ENGINEERING	0	6	21	21	50	7	17	122	57	102	35		
	PHYSICAL SCIENCES	1	0	4	2	48	0	2	57	11	8	4		
	ENVIRONMENTAL SCIENCES	0	3	0	6	15	2	2	28	12	7	1		
	MATHEMATICAL SCIENCES	0	0	0	0	89	3	11	103	37	26	6		
	LIFE SCIENCES	7	21	3	35	238	20	131	455	174	62	17		
	PSYCHOLOGY	7	7	0	13	29	1	5	62	15	24	0		
	SOCIAL SCIENCES	3	30	3	48	127	13	118	342	131	112	32		
UNIVERSITY OF LOUISVILLE	TOTAL, ALL AREAS	8	0	2	16	210	23	310	569	262	383	247		
	ENGINEERING	0	0	0	2	21	4	92	119	103	65	58		
	PHYSICAL SCIENCES	3	0	0	0	30	4	1	38	6	15	0		
	MATHEMATICAL SCIENCES	0	0	0	1	14	0	13	28	27	28	8		
	LIFE SCIENCES	3	0	2	12	99	5	98	219	71	113	74		
	PSYCHOLOGY	2	0	0	0	36	9	35	82	10	0	0		
	SOCIAL SCIENCES	0	0	0	11	10	1	71	83	47	162	107		
LOUISIANA	TOTAL, ALL AREAS	46	27	26	283	1,062	260	798	2,502	924	981	287		
	ENGINEERING	4	2	3	29	94	36	79	247	105	307	90		
	PHYSICAL SCIENCES	7	0	12	9	166	3	10	207	44	36	12		
	ENVIRONMENTAL SCIENCES	0	0	1	26	74	15	19	135	49	61	13		
	MATHEMATICAL SCIENCES	1	0	5	31	113	9	73	204	73	54	18		
	LIFE SCIENCES	25	19	5	188	369	175	359	1,190	460	241	72		
	PSYCHOLOGY	1	0	7	91	13	102	223	66	48	14			
	SOCIAL SCIENCES	0	5	0	21	155	9	156	346	127	234	68		
LOUISIANA STATE UNIVERSITY SYSTEM	TOTAL, ALL AREAS	21	51	11	1291	543	1191	2961	4,124	3621	2891	541		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS 1978

- CONTINUED -

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- SUP- PORDED			TOTAL FULL TIME	FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME
	DHEW NIH OTHER	DHEW DHEM NSF	FEDERAL SUPPORT	INSTI- TUTIONAL SUPPORT	TU- ITION OUTSIDE SUPPORT	OTHER SUPPORT	ALL STU- DENTS	SUP- PORDED	STU- DENTS				
LOUISIANA; CONTINUED													
LOUISIANA STATE UNIVERSITY SYSTEM													
ENGINEERING	0	2	0	21	47	23	41	134	53	73	22		
PHYSICAL SCIENCES	4	0	6	13	94	0	2	109	21	5	2		
ENVIRONMENTAL SCIENCES	0	0	1	24	41	5	5	76	21	23	2		
MATHEMATICAL SCIENCES	0	0	0	0	33	5	15	53	18	30	11		
LIFE SCIENCES	9	3	4	61	221	79	137	514	160	92	15		
PSYCHOLOGY	8	0	0	7	33	6	30	84	19	5	0		
SOCIAL SCIENCES	0	0	0	13	74	1	66	154	80	61	2		
LOUISIANA TECH UNIVERSITY													
TOTAL, ALL AREAS	1	0	0	21	51	4	39	97	44	37	10		
ENGINEERING	0	0	0	11	20	4	7	32	13	30	8		
PHYSICAL SCIENCES	0	0	0	0	9	0	2	11	1	0	0		
ENVIRONMENTAL SCIENCES	1	0	0	0	8	0	0	9	1	1	1		
MATHEMATICAL SCIENCES	0	0	0	1	9	0	21	31	15	3	1		
LIFE SCIENCES	0	0	0	0	5	0	9	14	14	3	1		
SOCIAL SCIENCES	0	0	0	0	5	0	9	14	14	3	1		
NORTHEAST LOUISIANA UNIVERSITY													
TOTAL, ALL AREAS	0	0	0	0	76	3	12	91	43	35	14		
PHYSICAL SCIENCES	0	0	0	0	10	0	0	10	7	9	0		
ENVIRONMENTAL SCIENCES	0	0	0	0	16	2	0	18	7	3	3		
LIFE SCIENCES	0	0	0	0	34	1	0	35	19	15	6		
PSYCHOLOGY	0	0	0	0	16	0	12	28	10	13	5		
TULANE UNIVERSITY OF LOUISIANA													
TOTAL, ALL AREAS	18	19	4	134	173	120	254	722	308	318	94		
ENGINEERING	1	0	3	71	16	9	16	55	27	157	43		
PHYSICAL SCIENCES	0	0	1	0	8	3	4	16	2	6	0		
ENVIRONMENTAL SCIENCES	0	0	0	0	6	1	4	11	4	18	5		
MATHEMATICAL SCIENCES	0	0	0	0	21	4	3	28	10	3	11		
LIFE SCIENCES	14	14	0	126	56	95	164	469	231	99	41		
PSYCHOLOGY	0	0	0	0	25	1	21	47	7	7	11		
SOCIAL SCIENCES	0	5	0	1	41	7	42	96	27	28	3		
UNIVERSITY OF NEW ORLEANS													
TOTAL, ALL AREAS	6	1	5	13	111	11	98	245	103	216	79		
ENGINEERING	0	0	0	0	0	0	0	0	0	25	7		
PHYSICAL SCIENCES	3	0	9	6	41	0	2	57	12	19	8		
ENVIRONMENTAL SCIENCES	0	0	0	0	7	4	4	15	7	15	1		
MATHEMATICAL SCIENCES	0	0	0	0	5	0	3	8	5	12	2		
LIFE SCIENCES	2	0	0	0	19	0	24	45	24	3	11		
PSYCHOLOGY	1	1	0	0	9	6	29	46	21	5	1		
SOCIAL SCIENCES	0	0	0	7	30	1	36	74	34	137	59		
UNIVERSITY OF SOUTHWESTERN LOUISIANA													
TOTAL, ALL AREAS	0	2	6	5	108	3	99	223	84	86	36		
ENGINEERING	0	0	0	0	11	0	15	26	12	22	10		
PHYSICAL SCIENCES	0	0	0	0	4	0	0	4	1	2	2		
ENVIRONMENTAL SCIENCES	0	0	0	2	4	3	6	15	10	21	2		
MATHEMATICAL SCIENCES	0	0	5	3	46	0	521	106	39	8	4		
LIFE SCIENCES	0	2	14	0	30	0	13	46	11	29	8		
PSYCHOLOGY	0	0	0	0	8	0	10	18	9	18	7		
SOCIAL SCIENCES	0	0	0	0	5	0	3	8	2	5	3		
MAINE													
TOTAL, ALL AREAS	8	0	16	49	162	35	101	378	124	109	9		
ENGINEERING	0	0	3	10	12	8	4	37	18	7	0		
PHYSICAL SCIENCES	1	0	5	3	15	1	2	27	9	2	0		
ENVIRONMENTAL SCIENCES	0	0	5	1	6	15	14	41	10	9	0		
MATHEMATICAL SCIENCES	0	0	0	0	8	0	51	13	6	4	0		
LIFE SCIENCES	5	0	3	23	82	8	321	153	57	24	2		
PSYCHOLOGY	2	7	0	5	28	0	191	61	13	12	0		
SOCIAL SCIENCES	0	0	0	7	11	3	25	46	11	51	7		
UNIVERSITY OF MAINE AT ORONO													
TOTAL, ALL AREAS	8	7	16	49	162	35	101	378	124	109	9		
ENGINEERING	0	0	3	10	12	8	4	37	18	7	0		
PHYSICAL SCIENCES	1	0	5	3	15	1	2	27	9	2	0		
ENVIRONMENTAL SCIENCES	0	0	5	1	6	15	14	41	10	9	0		
MATHEMATICAL SCIENCES	0	0	0	0	8	0	51	13	6	4	0		
LIFE SCIENCES	5	0	3	23	82	8	321	153	57	24	2		
PSYCHOLOGY	2	7	0	5	28	0	191	61	13	12	0		
SOCIAL SCIENCES	0	0	0	7	11	3	25	46	11	51	7		
MARYLAND													
TOTAL, ALL AREAS	211	393	116	275	1,479	129	817	3,420	1,496	2,276	913		
ENGINEERING	16	4	9	56	113	15	23	236	95	363	176		
PHYSICAL SCIENCES	2	0	64	103	227	7	9	412	145	191	42		
ENVIRONMENTAL SCIENCES	0	0	9	4	52	3	0	68	19	20	6		
MATHEMATICAL SCIENCES	0	0	6	12	174	0	35	227	115	237	130		
LIFE SCIENCES	188	319	18	48	452	63	347	1,435	639	598	237		
PSYCHOLOGY	2	20	3	14	109	6	181	172	66	69	7		
SOCIAL SCIENCES	3	50	7	38	352	35	385	870	417	798	315		
JOHNS HOPKINS UNIVERSITY													
TOTAL, ALL AREAS	173	153	24	35	557	70	207	1,219	445	114	30		
ENGINEERING	11	4	0	5	38	3	11	72	13	26	5		
PHYSICAL SCIENCES	0	0	11	19	86	3	21	121	25	21	2		
ENVIRONMENTAL SCIENCES	0	0	0	0	52	3	0	55	13	0	0		
MATHEMATICAL SCIENCES	0	0	11	0	351	0	41	401	201	51	2		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS												PART-TIME GRADUATE STUDENTS			
	FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED STU- DENTS	TOTAL FIRST-YEAR TIME	FIRST-YEAR TIME	TOTAL PART TIME	FIRST-YEAR PART TIME					
	DHEW NIH OTHER	DHEW OTHER NSF	FEDERAL	INSTI- TU- TIONAL	ALL OTHER SUPPORT	OUTSIDE SUPPORT										
MARYLAND, CONTINUED JOHNS HOPKINS UNIVERSITY LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	161 1 0	135 3 11	51 3 0	3 35 8	165 0 146	45 0 16	165	679	302	67	15					
UNIFORMED SERV UNIV OF THE HLTH SCIENCES TOTAL, ALL AREAS LIFE SCIENCES	0 0	0 0	0 0	11 11	0 0	0 0	0	11	101	0	0					
UNIVERSITY OF MARYLAND - BALT PROF SCH TOTAL, ALL AREAS * LIFE SCIENCES * SOCIAL SCIENCES	19 17 2	210 178 32	0 0 0	51 2 3	137 88 49	18 13 5	356	745	344	456	191					
UNIVERSITY OF MARYLAND - BALTIMORE CNTY TOTAL, ALL AREAS PHYSICAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	5 1 0 3 1 0	0 0 0 31 0 0	3 0 0 0 0 0	0 0 0 26 0 0	64 11 0 1 1 0	2 0 0 1 1 0	18	92	43	173	84					
UNIVERSITY OF MARYLAND - COLLEGE PARK TOTAL, ALL AREAS ENGINEERING PHYSICAL SCIENCES ENVIRONMENTAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	14 5 1 0 0 7 0	30 0 53 9 51 10 17	89 9 84 4 12 10 0	224 51 130 41 12 32 14	721 75 13 0 0 173 59	39 12 4 0 0 49 5	236	1,353	654	1,533	608					
MASSACHUETTS TOTAL, ALL AREAS ENGINEERING PHYSICAL SCIENCES ENVIRONMENTAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	768 57 100 0 2 520 63	646 32 247 2 51 494 57	829 247 227 94 150 871 131	1,275 51 662 41 121 565 32	3,577 678 662 0 52 191 255	1,522 732 99 0 52 574 34	2,780	41,397	3,819	4,713	1,407					
BOSTON COLLEGE TOTAL, ALL AREAS PHYSICAL SCIENCES ENVIRONMENTAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	51 3 0 0 2 2 0	104 0 31 0 7 104 0	51 7 3 0 1 0 0	15 7 34 0 1 32 10	174 7 14 1 1 3 1	14 6 6 1 1 3 2	124	441	192	105	6					
BOSTON UNIVERSITY TOTAL, ALL AREAS ENGINEERING PHYSICAL SCIENCES ENVIRONMENTAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	56 2 0 0 0 13 40	206 0 11 0 0 198 2	21 2 0 0 0 6 1	7 0 0 0 0 5 1	328 0 70 4 21 65 54	116 0 3 0 3 24 3	454	1,188	416	592	181					
BRANDEIS UNIVERSITY TOTAL, ALL AREAS PHYSICAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	59 8 0 0 1 0	0 0 0 0 0 0	10 9 0 0 0 0	4 49 29 0 16 47	171 1 1 1 0 4	8 1 1 1 0 4	21	273	74	3	0					
CLARK UNIVERSITY TOTAL, ALL AREAS PHYSICAL SCIENCES ENVIRONMENTAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	0 0 0 0 0 0	11 0 0 0 0 4	8 3 0 0 0 3	6 0 0 0 0 3	108 171 3 5 12 43	26 1 3 1 1 16	17	176	45	44	10					
HARVARD UNIVERSITY TOTAL, ALL AREAS ENGINEERING PHYSICAL SCIENCES ENVIRONMENTAL SCIENCES MATHEMATICAL SCIENCES LIFE SCIENCES PSYCHOLOGY SOCIAL SCIENCES	293 1 37 0 0 250 19	144 0 0 7 0 117 41	202 51 89 5 13 43 61	105 1 40 8 0 32 6	820 117 101 17 30 176 57	242 24 19 3 51 55 11	392	2,198	611	110	33					
MASSACHUSETTS COLLEGE OF PHARMACY TOTAL, ALL AREAS	0	0	0	0	15	2	54	71	16	19	8					

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED -

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUP- PORTEO STU-DENTS			FIRST- YEAR TOTAL TIME	FIRST- YEAR TOTAL TIME	FIRST- YEAR TOTAL TIME
	DHEN	NIH	OTHER	INSTI-TU- TIDAL OTHER	ALL SUPPORT	OUTSIDE	STU-DENTS	TOTAL STU-DENTS	FULL TIME	FIRST- YEAR TOTAL TIME	FIRST- YEAR TOTAL TIME	FIRST- YEAR TOTAL TIME	FIRST- YEAR TOTAL TIME
MASSACHUSETTS, CONTINUED													
MASSACHUSETTS COLLEGE OF PHARMACY													
PHYSICAL SCIENCES	0	0	0	0	0	7	1	2	10	2	1	0	0
LIFE SCIENCES	0	0	0	0	0	8	1	47	56	14	33	6	2
PSYCHOLOGY	0	0	0	0	0	0	0	0	0	0	0	0	0
SOCIAL SCIENCES	0	0	0	0	0	0	0	5	5	0	0	0	0
MASSACHUSETTS INSTITUTE OF TECHNOLOGY													
TOTAL, ALL AREAS	245	48	394	824	662	880	611	3,664	1,217	0	0	0	0
ENGINEERING	53	32	163	504	329	598	404	2,083	787	0	0	0	0
PHYSICAL SCIENCES	46	2	87	144	113	53	14	459	121	0	0	0	0
ENVIRONMENTAL SCIENCES	0	0	61	118	31	45	24	279	64	0	0	0	0
MATHEMATICAL SCIENCES	11	0	22	4	53	21	10	111	33	0	0	0	0
LIFE SCIENCES	109	7	24	15	25	63	46	289	79	0	0	0	0
PSYCHOLOGY	11	0	2	0	6	6	0	25	6	0	0	0	0
SOCIAL SCIENCES	25	7	35	39	105	94	113	418	127	0	0	0	0
NORTHEASTERN UNIVERSITY													
TOTAL, ALL AREAS	9	13	7	10	293	13	327	672	279	2,378	880	0	0
ENGINEERING	0	0	1	7	38	5	88	139	74	1,071	332	0	0
PHYSICAL SCIENCES	0	0	4	1	83	5	7	100	40	108	46	0	0
MATHEMATICAL SCIENCES	0	0	0	0	27	0	0	27	5	21	9	0	0
LIFE SCIENCES	8	0	1	2	40	1	58	110	38	506	143	0	0
PSYCHOLOGY	1	9	1	0	18	0	3	32	6	0	0	0	0
SOCIAL SCIENCES	0	4	0	0	87	2	171	264	126	672	150	0	0
SMITH COLLEGE													
TOTAL, ALL AREAS	0	13	0	8	24	2	140	187	103	4	21	0	0
LIFE SCIENCES	0	0	0	0	3	0	0	3	1	4	21	0	0
SOCIAL SCIENCES	0	13	0	8	21	2	140	184	102	0	0	0	0
TUFTS UNIVERSITY													
TOTAL, ALL AREAS	48	15	11	22	158	26	116	386	149	118	26	0	0
ENGINEERING	11	0	1	16	29	8	39	94	32	37	51	0	0
PHYSICAL SCIENCES	0	0	3	6	30	0	1	40	17	0	0	0	0
MATHEMATICAL SCIENCES	0	0	0	0	4	0	0	4	1	1	3	0	0
LIFE SCIENCES	42	1	6	0	19	3	21	73	14	19	7	0	0
PSYCHOLOGY	5	4	1	0	41	12	18	81	48	35	10	0	0
SOCIAL SCIENCES	0	0	0	0	35	3	56	94	37	24	4	0	0
UNIVERSITY OF LOWELL													
TOTAL, ALL AREAS	0	11	1	20	91	2	64	189	72	524	178	0	0
ENGINEERING	0	0	0	10	33	0	40	83	35	381	155	0	0
PHYSICAL SCIENCES	0	0	1	10	47	2	61	66	14	38	7	0	0
MATHEMATICAL SCIENCES	0	0	0	0	3	0	2	5	0	91	10	0	0
LIFE SCIENCES	0	11	0	0	8	0	16	35	23	14	6	0	0
UNIVERSITY OF MASSACHUSETTS AT AMHERST													
TOTAL, ALL AREAS	39	91	139	227	628	152	393	1,669	514	243	48	0	0
ENGINEERING	0	0	70	43	62	61	37	273	99	72	38	0	0
PHYSICAL SCIENCES	3	0	36	13	100	8	11	171	46	25	0	0	0
ENVIRONMENTAL SCIENCES	0	0	1	4	25	0	21	51	17	1	1	0	0
MATHEMATICAL SCIENCES	0	0	16	11	63	2	26	118	42	12	1	0	0
LIFE SCIENCES	35	56	6	126	146	35	162	566	199	55	6	0	0
PSYCHOLOGY	0	30	1	26	51	20	48	176	28	0	0	0	0
SOCIAL SCIENCES	1	5	9	4	181	26	88	314	83	78	2	0	0
UNIVERSITY OF MASSACHUSETTS AT WORCESTER													
TOTAL, ALL AREAS	8	0	0	0	0	0	2	10	4	0	0	0	0
LIFE SCIENCES	8	0	0	0	0	0	2	10	4	0	0	0	0
WOODS HOLE OCEANOGRAPHIC INSTITUTE													
TOTAL, ALL AREAS	0	0	25	13	27	0	1	66	16	0	0	0	0
ENVIRONMENTAL SCIENCES	0	0	25	13	27	0	1	66	16	0	0	0	0
WORCESTER POLYTECHNIC INSTITUTE													
TOTAL, ALL AREAS	6	0	6	14	78	39	64	207	111	573	233	0	0
ENGINEERING	0	0	5	10	57	36	44	152	85	327	133	0	0
PHYSICAL SCIENCES	3	0	1	2	11	0	4	21	10	13	0	0	0
MATHEMATICAL SCIENCES	0	0	0	1	9	0	15	25	12	175	62	0	0
LIFE SCIENCES	3	0	0	1	365	18	194	581	203	212	80	0	0
PSYCHOLOGY	55	105	12	10	480	111	448	1,221	288	198	28	0	0
SOCIAL SCIENCES	16	76	22	88	814	166	888	2,070	727	566	235	0	0
CENTRAL MICHIGAN UNIVERSITY													
TOTAL, ALL AREAS	1	0	0	1	113	10	133	258	111	150	41	0	0
PHYSICAL SCIENCES	1	0	0	0	9	2	5	17	8	35	11	0	0
MATHEMATICAL SCIENCES	0	0	0	1	6	0	18	25	5	37	8	0	0
LIFE SCIENCES	0	0	0	0	28	6	2	36	17	16	61	0	0
PSYCHOLOGY	0	0	0	0	60	0	90	150	70	40	101	0	0
SOCIAL SCIENCES	0	0	0	0	10	2	18	30	11	22	6	0	0
MICHIGAN STATE UNIVERSITY													
TOTAL, ALL AREAS	981	951	981	1951	1,230	3521	8361	2,904	880	4351	154	0	0

TABLE B-6. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- SUP- PORTED	TOTAL YEAR	FIRST- YEAR FULL TIME	FIRST- YEAR PART TIME		
		ONSH	OTHER	NSF	INSTI- TU- TIONAL SUPPORT	ALL OUTSIDE SUPPORT	STU- DENTS							
MICHIGAN, CONTINUED	MICHIGAN STATE UNIVERSITY	0	0	3	19	84	36	96	258	85	42	6		
	ENGINEERING	0	0	48	13	157	20	11	260	62	13	2		
	PHYSICAL SCIENCES	0	0	0	3	20	0	21	44	20	4	3		
	ENVIRONMENTAL SCIENCES	0	0	0	0	134	1	43	180	71	21	5		
	MATHEMATICAL SCIENCES	0	0	2	0	469	193	291	1,210	318	142	36		
	* LIFE SCIENCES	92	21	42	102	469	193	291	1,210	318	142	36		
	PSYCHOLOGY	0	52	3	0	63	6	355	179	28	0	0		
	SOCIAL SCIENCES	3	22	0	58	303	68	319	773	296	213	102		
MICHIGAN TECHNOLOGICAL UNIVERSITY	TOTAL, ALL AREAS	0	17	24	29	89	20	29	208	92	1	0		
	ENGINEERING	0	8	22	22	44	12	10	118	43	0	0		
	PHYSICAL SCIENCES	0	0	1	0	15	1	2	19	7	0	0		
	ENVIRONMENTAL SCIENCES	0	9	1	1	5	2	3	21	12	0	0		
	MATHEMATICAL SCIENCES	0	0	0	0	8	1	0	9	5	1	0		
	LIFE SCIENCES	0	0	0	0	17	4	14	41	28	0	0		
OAKLAND UNIVERSITY	TOTAL, ALL AREAS	0	0	2	3	27	2	86	120	59	102	41		
	ENGINEERING	0	0	1	3	9	2	17	32	17	49	24		
	PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	1	10	7		
	MATHEMATICAL SCIENCES	0	0	0	0	1	0	5	6	2	25	8		
	LIFE SCIENCES	0	0	0	0	4	0	0	4	1	3	2		
	PSYCHOLOGY	0	0	1	0	7	0	64	72	38	15	0		
UNIVERSITY OF DETROIT	TOTAL, ALL AREAS	21	0	0	0	80	10	108	300	81	301	70		
	ENGINEERING	0	0	0	0	10	8	29	47	20	96	13		
	PHYSICAL SCIENCES	11	0	0	0	29	21	0	26	9	35	10		
	MATHEMATICAL SCIENCES	0	0	0	0	4	0	11	15	3	30	10		
	LIFE SCIENCES	11	0	0	0	5	0	0	6	2	46	4		
	PSYCHOLOGY	0	0	0	0	26	0	32	58	27	47	10		
	SOCIAL SCIENCES	0	0	0	0	12	0	36	48	20	77	23		
UNIVERSITY OF MICHIGAN	TOTAL, ALL AREAS	242	199	112	256	1,511	357	1,401	4,078	1,297	530	166		
	* ENGINEERING	15	10	30	87	202	150	460	954	373	354	101		
	PHYSICAL SCIENCES	11	0	23	161	149	41	13	216	45	17	5		
	ENVIRONMENTAL SCIENCES	0	0	8	21	59	2	36	126	34	0	0		
	MATHEMATICAL SCIENCES	1	0	0	0	154	12	93	260	75	13	3		
	LIFE SCIENCES	150	114	21	98	381	83	395	1,242	422	811	30		
	PSYCHOLOGY	55	26	8	41	189	27	33	342	56	3	2		
	* SOCIAL SCIENCES	10	49	22	30	377	79	371	938	292	62	26		
WAYNE STATE UNIVERSITY	TOTAL, ALL AREAS	30	127	17	36	450	113	540	1,313	447	773	356		
	ENGINEERING	3	0	3	10	30	2	130	178	74	185	98		
	PHYSICAL SCIENCES	12	0	9	5	90	1	9	126	44	33	6		
	ENVIRONMENTAL SCIENCES	0	0	0	0	8	0	4	12	3	0	0		
	MATHEMATICAL SCIENCES	0	0	0	0	30	1	18	49	19	53	29		
	* LIFE SCIENCES	12	97	5	151	140	5	251	546	214	360	165		
	PSYCHOLOGY	0	27	0	6	89	7	35	234	35	0	0		
	SOCIAL SCIENCES	3	3	0	0	63	6	93	168	58	142	58		
WESTERN MICHIGAN UNIVERSITY	TOTAL, ALL AREAS	0	15	2	1	202	30	328	578	209	318	98		
	ENGINEERING	0	0	0	0	4	3	19	26	PM	38	16		
	PHYSICAL SCIENCES	0	0	0	0	28	0	1	29	11	27	4		
	ENVIRONMENTAL SCIENCES	0	0	2	0	15	0	10	27	11	51	23		
	MATHEMATICAL SCIENCES	0	0	0	0	28	3	6	37	23	32	17		
	LIFE SCIENCES	0	13	0	1	32	12	102	160	67	27	10		
	PSYCHOLOGY	0	0	0	0	46	1	139	186	34	93	6		
	SOCIAL SCIENCES	0	2	0	0	49	11	51	113	50	50	21		
MINNESOTA	TOTAL, ALL AREAS	260	319	146	406	1,530	414	1,024	4,099	1,365	764	198		
	ENGINEERING	17	16	65	85	168	39	187	577	211	213	48		
	PHYSICAL SCIENCES	15	0	29	18	143	15	23	243	60	61	3		
	ENVIRONMENTAL SCIENCES	0	0	14	21	37	9	9	71	28	19	21		
	MATHEMATICAL SCIENCES	2	3	7	1	139	1	132	285	69	68	17		
	LIFE SCIENCES	191	225	21	232	600	204	351	1,824	607	219	82		
	PSYCHOLOGY	23	38	3	18	120	66	31	299	53	7	0		
	SOCIAL SCIENCES	12	37	7	50	323	80	291	800	337	232	46		
UNIVERSITY OF MINNESOTA	TOTAL, ALL AREAS	260	319	146	406	1,530	414	1,024	4,099	1,365	764	198		
	ENGINEERING	17	16	65	85	168	39	187	577	211	213	48		
	PHYSICAL SCIENCES	15	0	29	18	143	15	23	243	60	61	3		
	ENVIRONMENTAL SCIENCES	0	0	14	21	37	9	9	71	28	19	21		
	MATHEMATICAL SCIENCES	2	3	7	1	139	1	132	285	69	68	17		
	* LIFE SCIENCES	191	225	21	232	600	204	351	1,824	607	219	82		
	PSYCHOLOGY	23	38	3	18	120	66	31	299	53	7	0		
	SOCIAL SCIENCES	12	37	7	50	323	80	291	800	337	232	46		
MISSISSIPPI	TOTAL, ALL AREAS	24	99	6	119	584	144	570	1,546	614	424	166		
	ENGINEERING	0	0	1	43	85	12	46	187	85	43	12		
	PHYSICAL SCIENCES	2	0	4	13	61	12	21	94	32	1	0		
	ENVIRONMENTAL SCIENCES	0	0	0	0	21	11	5	37	20	4	1		
	MATHEMATICAL SCIENCES	0	0	0	7	384	31	33	81	431	371	23		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES				NON-FEDERAL SOURCES				SELF- PORTED	TOTAL FULL TIME	FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME
		DHEW	OTHER	NIH	DHEW	INSTI- TU- TIONAL	ALL OTHER	SUP- PORTED OUTSIDE	STU- DENTS					
MISSISSIPPI, CONTINUED														
MISSISSIPPI STATE UNIVERSITY	LIFE SCIENCES	21	56	11	41	219	85	176	595	202	87	27		
	PSYCHOLOGY	1	9	0	2	60	11	186	269	87	101	43		
	SOCIAL SCIENCES	0	34	0	13	104	10	122	283	145	153	60		
UNIVERSITY OF MISSISSIPPI	TOTAL, ALL AREAS	3	4	2	75	256	91	174	605	247	128	28		
	ENGINEERING	0	0	1	33	48	10	33	125	61	34	11		
	PHYSICAL SCIENCES	0	0	1	2	16	4	0	23	9	0	0		
	ENVIRONMENTAL SCIENCES	0	0	0	0	71	0	1	8	4	0	0		
	MATHEMATICAL SCIENCES	0	0	0	4	17	2	23	46	25	10	7		
	LIFE SCIENCES	3	0	0	35	105	70	75	288	93	26	7		
	PSYCHOLOGY	0	0	0	1	19	0	19	39	24	27	3		
	SOCIAL SCIENCES	0	4	0	0	44	5	23	76	31	31	0		
UNIVERSITY OF SOUTHERN MISSISSIPPI	TOTAL, ALL AREAS	18	32	2	23	217	30	246	568	236	166	65		
	ENGINEERING	0	0	0	10	37	2	13	62	29	9	1		
	PHYSICAL SCIENCES	0	0	2	0	22	1	0	25	7	0	0		
	ENVIRONMENTAL SCIENCES	0	0	0	0	8	4	22	13	0	0	0		
	MATHEMATICAL SCIENCES	0	0	0	0	147	1	0	15	5	2	1		
	LIFE SCIENCES	18	32	0	1	75	7	574	190	70	22	5		
	PSYCHOLOGY	0	0	0	1	30	11	109	151	61	74	40		
	SOCIAL SCIENCES	0	0	0	11	29	0	63	103	56	59	18		
MISSOURI	TOTAL, ALL AREAS	262	239	112	297	1,453	272	1,258	3,893	1,450	1,849	807		
	ENGINEERING	21	31	42	78	217	71	269	729	277	468	171		
	PHYSICAL SCIENCES	6	1	25	31	202	12	24	301	79	76	35		
	ENVIRONMENTAL SCIENCES	0	0	18	32	54	15	19	134	42	23	9		
	MATHEMATICAL SCIENCES	2	0	1	3	152	1	33	192	62	140	41		
	LIFE SCIENCES	170	108	16	72	365	95	302	1,128	406	373	170		
	PSYCHOLOGY	41	26	4	13	116	36	99	335	117	147	31		
	SOCIAL SCIENCES	22	73	6	68	347	42	516	1,074	467	622	355		
KANSAS CITY COLL OF OSTEOPATHIC MEDICINE	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
KIRKSVILLE COLLEGE OF OSTEOPATHIC MED	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
ST LOUIS UNIVERSITY	TOTAL, ALL AREAS	27	71	14	30	117	35	157	451	197	261	89		
	PHYSICAL SCIENCES	0	0	0	2	9	1	4	16	6	3	1		
	ENVIRONMENTAL SCIENCES	0	0	11	20	4	2	2	39	7	12	4		
	MATHEMATICAL SCIENCES	0	0	0	0	8	0	1	9	3	14	2		
	LIFE SCIENCES	14	64	3	0	74	26	104	285	130	98	43		
	PSYCHOLOGY	13	3	0	8	6	6	26	62	33	54	0		
	SOCIAL SCIENCES	0	4	0	0	16	0	20	40	18	80	34		
UNIVERSITY OF MISSOURI - COLUMBIA	TOTAL, ALL AREAS	51	94	20	143	618	138	477	1,541	512	411	81		
	ENGINEERING	5	7	6	32	63	27	128	268	66	173	35		
	PHYSICAL SCIENCES	0	1	2	7	49	5	11	75	21	0	0		
	ENVIRONMENTAL SCIENCES	0	0	6	3	30	9	9	57	24	8	0		
	MATHEMATICAL SCIENCES	0	0	0	2	51	0	5	58	12	17	5		
	LIFE SCIENCES	37	29	4	65	204	61	159	559	179	102	29		
	PSYCHOLOGY	8	0	2	4	49	16	22	101	19	0	0		
	SOCIAL SCIENCES	1	57	0	30	172	20	143	423	169	111	17		
UNIVERSITY OF MISSOURI - KANSAS CITY	TOTAL, ALL AREAS	0	19	2	23	73	9	78	199	145	476	328		
	PHYSICAL SCIENCES	0	0	1	0	25	1	2	29	16	22	9		
	MATHEMATICAL SCIENCES	0	0	0	0	9	0	2	11	9	11	7		
	LIFE SCIENCES	0	14	0	7	21	0	18	60	51	127	69		
	PSYCHOLOGY	0	1	0	0	9	0	18	28	26	60	31		
	SOCIAL SCIENCES	0	4	1	16	9	3	38	71	43	256	212		
UNIVERSITY OF MISSOURI - ROLLA	TOTAL, ALL AREAS	0	24	22	46	208	37	65	402	169	256	121		
	* ENGINEERING	0	24	12	30	105	31	47	249	124	202	101		
	PHYSICAL SCIENCES	0	0	9	121	43	21	2	68	18	3	0		
	ENVIRONMENTAL SCIENCES	0	0	0	3	9	3	4	19	6	3	0		
	MATHEMATICAL SCIENCES	0	0	1	1	51	1	12	66	21	48	20		
UNIVERSITY OF MISSOURI - ST LOUIS	TOTAL, ALL AREAS	0	0	2	15	49	1	29	96	40	189	102		
	PHYSICAL SCIENCES	0	0	1	0	17	1	3	22	3	41	22		
	MATHEMATICAL SCIENCES	0	0	0	0	4	0	1	5	3	13	4		
	LIFE SCIENCES	0	0	1	0	8	0	6	15	7	46	34		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- PORTEO			FIRST- YEAR FULL TIME	TOTAL PART TIME
		DHEW	NIH	OTHER	INSTI-	TU-	ALL	OUTSIDE	SUP-	STU-	PORTED		
		DHEW	NIH	OTHER	FEDERAL	SUPPORT	OTHER	OUTSIDE	SUP-	STU-	PORTED	FIRST- YEAR FULL TIME	TOTAL PART TIME
MISSOURI, CONTINUED	UNIVERSITY OF MISSOURI - ST LOUIS												
	PSYCHOLOGY	0	0	0	0	14	0	14	0	14	28	9	15
	SOCIAL SCIENCES	0	0	0	15	6	0	5	5	26	18	74	42
WASHINGTON UNIVERSITY	TOTAL, ALL AREAS	184	31	52	40	388	57	452	1,204	387	256	41	
	ENGINEERING	16	0	24	16	49	13	94	212	65	93	35	
	PHYSICAL SCIENCES	6	0	12	10	59	2	21	91	15	7	3	
	ENVIRONMENTAL SCIENCES	0	0	1	6	11	1	0	19	5	0	0	
	MATHEMATICAL SCIENCES	2	0	0	0	29	0	12	43	14	37	3	
	LIFE SCIENCES	119	1	8	0	58	8	15	209	39	0	0	
	PSYCHOLOGY	20	22	2	11	38	14	19	116	30	18	0	
	SOCIAL SCIENCES	21	6	5	7	144	19	310	514	219	101	50	4
MONTANA	TOTAL, ALL AREAS	13	3	16	111	327	54	163	687	251	85	13	
	ENGINEERING	1	0	2	11	44	2	6	66	31	15	5	
	PHYSICAL SCIENCES	2	0	9	8	44	0	6	69	25	4	0	
	ENVIRONMENTAL SCIENCES	0	0	1	2	22	9	2	61	23	4	0	
	MATHEMATICAL SCIENCES	0	0	0	0	39	5	2	46	21	0	0	
	LIFE SCIENCES	5	2	4	72	119	25	68	295	90	34	3	
	PSYCHOLOGY	5	0	0	18	26	13	16	78	29	3	1	
	SOCIAL SCIENCES	0	1	0	0	33	0	38	72	32	25	4	
MONTANA STATE UNIVERSITY	TOTAL, ALL AREAS	4	2	11	47	174	25	47	310	123	35	5	
	ENGINEERING	1	0	2	11	44	2	6	66	31	15	5	
	PHYSICAL SCIENCES	0	0	9	8	35	0	3	55	24	4	0	
	ENVIRONMENTAL SCIENCES	0	0	0	2	7	2	4	15	7	2	0	
	MATHEMATICAL SCIENCES	0	0	0	0	23	3	2	28	15	0	0	
	LIFE SCIENCES	3	2	0	26	51	18	29	129	38	14	0	
	PSYCHOLOGY	0	0	0	0	4	0	1	5	2	0	0	
	SOCIAL SCIENCES	0	0	0	0	10	0	2	12	6	0	0	
UNIVERSITY OF MONTANA	TOTAL, ALL AREAS	9	1	5	64	153	29	116	377	128	50	8	
	PHYSICAL SCIENCES	2	0	0	0	9	0	3	14	1	0	0	
	ENVIRONMENTAL SCIENCES	0	0	1	0	15	7	23	46	16	2	0	
	MATHEMATICAL SCIENCES	0	0	0	0	16	2	0	18	6	0	0	
	LIFE SCIENCES	2	0	4	46	68	7	39	166	52	20	3	
	PSYCHOLOGY	5	0	0	18	22	13	15	73	27	3	1	
	SOCIAL SCIENCES	0	1	0	0	23	0	36	60	26	25	4	
NEBRASKA	TOTAL, ALL AREAS	35	57	26	83	604	160	361	1,326	634	747	240	
	ENGINEERING	2	0	1	12	33	24	31	103	33	106	28	
	PHYSICAL SCIENCES	10	0	14	11	96	10	6	147	36	5	1	
	ENVIRONMENTAL SCIENCES	0	0	1	1	10	2	9	23	13	7	0	
	MATHEMATICAL SCIENCES	0	0	0	3	56	6	10	75	30	89	39	
	LIFE SCIENCES	13	22	8	30	260	89	136	558	207	245	95	
	PSYCHOLOGY	3	25	0	8	38	21	23	116	28	95	27	
	SOCIAL SCIENCES	7	12	2	18	111	8	166	304	87	200	50	
CREIGHTON UNIVERSITY	TOTAL, ALL AREAS	1	0	0	0	34	0	11	46	18	7	1	
	PHYSICAL SCIENCES	0	0	0	0	9	0	3	12	6	1	1	
	LIFE SCIENCES	1	0	0	0	25	0	8	34	12	6	0	
UNIVERSITY OF NEBRASKA - LINCOLN	TOTAL, ALL AREAS	29	25	25	83	450	186	180	938	291	337	79	
	ENGINEERING	2	0	1	12	33	24	31	103	33	106	28	
	PHYSICAL SCIENCES	10	0	14	11	87	10	3	135	30	4	0	
	ENVIRONMENTAL SCIENCES	0	0	1	1	10	2	9	23	13	7	0	
	MATHEMATICAL SCIENCES	0	0	0	3	56	6	10	73	30	50	25	
	LIFE SCIENCES	7	3	7	30	173	77	77	374	132	86	20	
	PSYCHOLOGY	3	20	0	8	15	49	13	78	17	0	0	
	SOCIAL SCIENCES	7	2	2	18	76	8	39	152	36	84	6	
UNIVERSITY OF NEBRASKA - OMAHA	TOTAL, ALL AREAS	0	13	0	0	78	4	126	221	75	276	98	
	MATHEMATICAL SCIENCES	0	0	0	0	0	0	2	2	0	39	14	
	LIFE SCIENCES	0	0	0	0	20	2	7	29	13	26	13	
	PSYCHOLOGY	0	3	0	0	23	2	10	38	11	95	27	
	SOCIAL SCIENCES	0	10	0	0	35	0	107	152	51	116	44	
UNIVERSITY OF NEBRASKA MEDICAL CENTER	TOTAL, ALL AREAS	5	19	1	0	42	10	46	121	50	127	62	
	LIFE SCIENCES	5	19	1	0	42	10	46	121	50	127	62	
NEVADA	TOTAL, ALL AREAS	2	13	20	46	117	9	119	326	111	109	34	
	ENGINEERING	0	1	0	4	12	0	13	30	17	10	5	
	PHYSICAL SCIENCES	2	0	7	4	22	2	9	46	11	1	0	
	ENVIRONMENTAL SCIENCES	0	5	3	17	13	2	28	68	22	6	0	
	MATHEMATICAL SCIENCES	0	0	0	0	3	0	1	4	3	2	2	
	LIFE SCIENCES	0	1	2	14	43	4	32	96	30	26	5	
	PSYCHOLOGY	0	4	8	0	13	0	12	37	7	39	11	
	SOCIAL SCIENCES	0	2	0	7	11	1	29	45	21	30	11	
DESERT RESEARCH INSTITUTE	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0	

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1970

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS			
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUPPORTEDED			FIRST-YEAR		TOTAL	
		DHEW NIH	DHEW OTHER	NSF	INSTITUTIONAL SUPPORT	TUITIONAL SUPPORT	OUTSIDE SUPPORT	OTHER STUDENTS	FULL TIME	FIRST-FULL TIME	FIRST-FULL TIME	PART TIME	PART TIME	PART TIME	PART TIME
NEVADA, CONTINUED	UNIVERSITY OF NEVADA AT RENO														
♦ TOTAL, ALL AREAS	21	13	20	96	117	91	119	326	111	109	34				
♦ ENGINEERING	01	1	0	4	12	0	13	30	17	10	5				
♦ PHYSICAL SCIENCES	21	0	7	9	22	2	9	46	11	1	-0				
♦ ENVIRONMENTAL SCIENCES	01	5	3	17	13	21	28	68	22	6	0				
♦ MATHEMATICAL SCIENCES	01	0	0	0	3	0	1	4	3	2	0				
♦ LIFE SCIENCES	01	1	2	19	43	4	32	96	30	26	5				
♦ PSYCHOLOGY	01	4	8	0	13	0	12	37	7	36	11				
♦ SOCIAL SCIENCES	01	2	0	7	11	1	24	45	21	30	13				
NEW HAMPSHIRE															
TOTAL, ALL AREAS	18	1	21	19	277	74	120	530	122	136	14				
ENGINEERING	01	0	6	16	40	19	30	111	21	21	21				
PHYSICAL SCIENCES	21	0	7	1	44	6	7	87	24	15	3				
ENVIRONMENTAL SCIENCES	01	0	8	2	19	21	0	24	6	6	0				
MATHEMATICAL SCIENCES	01	0	0	0	30	1	0	31	16	2	0				
LIFE SCIENCES	11	0	6	0	52	40	46	155	27	63	11				
PSYCHOLOGY	01	1	1	0	46	6	2	56	11	0	0				
SOCIAL SCIENCES	51	0	0	0	26	0	35	66	17	29	6				
DARTMOUTH COLLEGE															
TOTAL, ALL AREAS	131	1	21	12	106	25	22	210	59	81	51				
ENGINEERING	01	0	6	9	12	13	22	62	19	4	4				
PHYSICAL SCIENCES	21	0	7	1	29	3	3	45	8	0	0				
ENVIRONMENTAL SCIENCES	01	0	1	2	12	1	0	16	6	2	0				
MATHEMATICAL SCIENCES	01	0	0	0	15	0	0	15	7	0	0				
LIFE SCIENCES	11	0	6	0	27	7	6	57	16	2	1				
PSYCHOLOGY	01	1	1	0	11	1	1	15	3	0	0				
UNIVERSITY OF NEW HAMPSHIRE															
TOTAL, ALL AREAS	51	0	0	7	171	49	88	320	63	128	9				
♦ ENGINEERING	01	0	0	7	28	6	8	49	2	17	0				
♦ PHYSICAL SCIENCES	01	0	0	0	35	3	4	92	16	15	3				
♦ ENVIRONMENTAL SCIENCES	01	0	0	0	7	1	0	8	0	4	0				
♦ MATHEMATICAL SCIENCES	01	0	0	0	15	1	0	16	9	2	0				
♦ LIFE SCIENCES	01	0	0	0	25	33	40	98	11	61	0				
♦ PSYCHOLOGY	01	0	0	0	35	5	1	41	8	0	0				
♦ SOCIAL SCIENCES	51	0	0	0	26	0	35	66	17	29	6				
NEW JERSEY															
TOTAL, ALL AREAS	144	161	233	223	1,520	321	884	3,490	1,312	5,305	2,286				
ENGINEERING	01	19	64	71	208	129	150	636	300	1,660	750				
PHYSICAL SCIENCES	201	11	86	49	242	35	20	463	134	381	155				
ENVIRONMENTAL SCIENCES	01	0	19	22	55	19	51	166	68	143	32				
MATHEMATICAL SCIENCES	14	1	35	19	153	10	60	287	98	735	336				
LIFE SCIENCES	96	88	16	38	309	92	237	876	296	956	462				
PSYCHOLOGY	41	32	5	1	151	4	77	279	119	276	131				
SOCIAL SCIENCES	10	14	8	28	402	37	289	788	297	1,194	420				
COLLEGE OF MED AND DENT OF NEW JERSEY															
TOTAL, ALL AREAS	01	0	0	0	26	2	42	70	15	9	0				
LIFE SCIENCES	01	0	0	0	26	2	42	70	15	9	0				
FAIRLEIGH DICKINSON UNIVERSITY															
TOTAL, ALL AREAS	01	0	0	2	72	4	137	215	149	1,089	824				
ENGINEERING	01	0	0	0	3	0	15	18	13	196	152				
PHYSICAL SCIENCES	01	0	0	0	10	0	3	13	6	83	65				
MATHEMATICAL SCIENCES	01	0	0	0	8	0	12	20	18	223	176				
LIFE SCIENCES	01	0	0	0	19	0	30	49	25	198	147				
PSYCHOLOGY	01	0	0	1	30	0	53	84	64	185	122				
SOCIAL SCIENCES	01	0	0	1	2	4	29	31	23	209	162				
NEW JERSEY INSTITUTE OF TECHNOLOGY															
TOTAL, ALL AREAS	01	0	0	0	74	0	35	109	58	659	154				
ENGINEERING	01	0	0	0	58	0	28	86	47	523	120				
PHYSICAL SCIENCES	01	0	0	0	5	0	0	5	10	1	1				
ENVIRONMENTAL SCIENCES	01	0	0	0	0	0	0	0	0	35	8				
MATHEMATICAL SCIENCES	01	0	0	0	7	0	3	10	4	89	15				
SOCIAL SCIENCES	01	0	0	0	4	0	4	8	3	7	2				
NEW JERSEY SCH OF OSTEOPATHIC MEDICINE															
TOTAL, ALL AREAS	01	0	0	0	0	0	0	0	0	0	0				
PRINCETON UNIVERSITY															
TOTAL, ALL AREAS	56	20	174	106	458	115	77	1,006	293	0	0				
ENGINEERING	01	5	37	47	59	60	0	208	74	0	0				
PHYSICAL SCIENCES	61	7	62	42	72	17	0	206	52	0	0				
ENVIRONMENTAL SCIENCES	01	0	18	3	10	8	0	39	5	0	0				
MATHEMATICAL SCIENCES	01	0	34	7	21	8	0	70	11	0	0				
LIFE SCIENCES	41	5	12	0	14	3	0	75	19	0	0				
PSYCHOLOGY	21	0	3	0	27	0	0	32	11	0	0				
SOCIAL SCIENCES	71	3	8	7	255	19	77	376	121	0	0				
RUTGERS THE STATE UNIVERSITY															
♦ TOTAL, ALL AREAS	88	100	53	96	759	159	466	1,721	611	2,528	768				
♦ ENGINEERING	01	8	25	16	38	45	30	162	71	322	142				
♦ PHYSICAL SCIENCES	14	0	20	0	112	11	5	162	52	157	38				
♦ ENVIRONMENTAL SCIENCES	01	0	1	17	43	8	36	105	49	89	11				
♦ MATHEMATICAL SCIENCES	19	11	11	7	102	0	311	156	52	330	93				

TABLE 8-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION, 1970

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- SUP- PORDED			FIRST- YEAR TOTAL	TOTAL PART TIME	FIRST- YEAR PART TIME
		DHEW	OTHER	NIH	OTHER	INSTI- TU- TIONAL SUPPORT	ALL OTHER SUPPORT	OUTSIDE SUPPORT	STU- DENTS	FULL TIME	FIRST- YEAR FULL TIME			
NEW JERSEY, CONTINUED	RUTGERS THE STATE UNIVERSITY	55	48	4	36	229	77	156	605	193	596	219		
• LIFE SCIENCES		2	32	2	0	94	4	24	158	44	91	9		
• PSYCHOLOGY		3	11	0	20	141	14	164	373	150	943	256		
• SOCIAL SCIENCES														
SEASIDE HALL UNIVERSITY	TOTAL, ALL AREAS	0	35	1	2	45	15	12	110	51	215	109		
• PHYSICAL SCIENCES		0	0	1	0	18	5	3	27	7	56	14		
• MATHEMATICAL SCIENCES		0	0	0	0	6	0	0	6	0	61	3		
• LIFE SCIENCES		0	39	0	2	21	10	9	77	44	153	92		
STEVENS INSTITUTE OF TECHNOLOGY	TOTAL, ALL AREAS	0	10	5	17	86	26	115	259	135	805	427		
• ENGINEERING		0	6	2	8	50	19	77	162	95	619	328		
• PHYSICAL SCIENCES		0	4	3	7	25	2	9	50	13	75	37		
• ENVIRONMENTAL SCIENCES		0	0	0	2	2	3	15	22	14	191	13		
• MATHEMATICAL SCIENCES		0	0	0	0	9	2	14	25	13	92	49		
NEW MEXICO	TOTAL, ALL AREAS	63	27	33	146	523	195	452	1,439	448	620	134		
• ENGINEERING		0	7	3	34	102	37	81	264	84	172	19		
• PHYSICAL SCIENCES		15	0	8	19	97	17	26	182	43	49	9		
• ENVIRONMENTAL SCIENCES		0	3	4	4	38	47	37	133	36	121	0		
• MATHEMATICAL SCIENCES		0	3	5	0	71	3	30	112	51	57	25		
• LIFE SCIENCES		32	5	8	27	96	58	60	286	83	102	11		
• PSYCHOLOGY		16	4	2	7	28	5	17	79	23	7	0		
• SOCIAL SCIENCES		0	5	3	55	91	28	201	383	128	221	70		
NEW MEXICO INSTITUTE OF MINING AND TECH	TOTAL, ALL AREAS	0	7	9	9	31	42	24	122	34	1	0		
• ENGINEERING		0	4	1	3	2	10	4	24	3	0	0		
• PHYSICAL SCIENCES		0	0	5	2	10	6	4	27	8	0	0		
• ENVIRONMENTAL SCIENCES		0	3	3	4	9	25	15	59	20	11	0		
• MATHEMATICAL SCIENCES		0	0	0	0	10	1	1	12	3	0	0		
NEW MEXICO STATE UNIVERSITY	TOTAL, ALL AREAS	10	4	10	77	204	93	93	491	172	166	33		
• ENGINEERING		0	0	2	25	42	19	24	112	45	46	4		
• PHYSICAL SCIENCES		5	0	3	8	40	2	9	67	15	21	1		
• MATHEMATICAL SCIENCES		0	0	1	0	36	0	13	50	20	17	11		
• LIFE SCIENCES		5	0	4	14	49	54	21	147	42	51	6		
• PSYCHOLOGY		0	4	0	1	10	0	7	22	7	1	0		
• SOCIAL SCIENCES		0	0	0	29	27	18	19	93	43	30	11		
UNIVERSITY OF NEW MEXICO	TOTAL, ALL AREAS	53	16	14	60	288	60	335	826	242	453	101		
• ENGINEERING		0	3	0	6	58	8	53	128	36	126	15		
• PHYSICAL SCIENCES		10	0	0	9	47	9	13	88	20	28	9		
• ENVIRONMENTAL SCIENCES		0	0	1	0	29	22	22	74	16	11	0		
• MATHEMATICAL SCIENCES		0	3	4	0	25	2	16	50	28	40	14		
• LIFE SCIENCES		27	5	4	13	47	4	39	139	41	51	5		
• PSYCHOLOGY		16	0	2	6	18	5	10	57	16	6	0		
• SOCIAL SCIENCES		0	5	3	26	64	10	182	290	85	191	59		
NEW YORK	TOTAL, ALL AREAS	1,208	725	985	1,221	7,429	1,417	5,811	18,796	6,161	13,296	4,398		
• ENGINEERING		29	25	239	440	941	378	740	2,792	1,226	2,998	990		
• PHYSICAL SCIENCES		152	5	375	188	1,126	82	103	2,031	514	381	127		
• ENVIRONMENTAL SCIENCES		0	3	114	89	242	39	91	578	212	195	83		
• MATHEMATICAL SCIENCES		0	3	76	44	721	55	218	1,132	393	1,430	646		
• LIFE SCIENCES		851	410	111	205	1,646	296	949	4,468	1,413	3,060	1,155		
• PSYCHOLOGY		129	128	22	102	964	215	1,400	2,960	816	2,010	440		
• SOCIAL SCIENCES		32	151	48	153	1,789	352	2,310	4,835	1,587	3,222	957		
ADELPHI UNIVERSITY	TOTAL, ALL AREAS	28	59	0	6	120	24	54	291	119	317	154		
• PHYSICAL SCIENCES		0	0	0	0	29	0	0	23	10	24	9		
• ENVIRONMENTAL SCIENCES		0	0	0	0	2	0	6	8	6	37	13		
• MATHEMATICAL SCIENCES		0	0	0	0	16	0	0	16	6	170	108		
• LIFE SCIENCES		0	55	0	0	25	2	20	102	52	170	12		
• PSYCHOLOGY		28	4	0	6	47	22	26	133	38	57	0		
• SOCIAL SCIENCES		0	0	0	0	7	0	2	9	7	12	7		
ALBANY MEDICAL COLLEGE	TOTAL, ALL AREAS	18	0	0	0	17	1	12	48	13	1	1		
• LIFE SCIENCES		18	0	0	0	17	1	12	48	13	1	1		
ALFRED UNIVERSITY	TOTAL, ALL AREAS	0	0	2	3	20	4	19	48	16	6	3		
• ENGINEERING		0	0	2	3	15	4	3	27	8	3	1		
• PSYCHOLOGY		0	0	0	0	5	0	16	21	8	3	2		
CLARKSON COLLEGE OF TECHNOLOGY	TOTAL, ALL AREAS	3	0	20	25	95	13	17	173	74	48	21		
• ENGINEERING		0	0	121	21	53	10	11	107	48	31	11		
• PHYSICAL SCIENCES		3	0	81	2	31	3	4	51	18	12	0		
• MATHEMATICAL SCIENCES		0	0	0	2	11	0	2	15	8	5	1		
COLUMBIA UNIV MAIN DIVISION	TOTAL, ALL AREAS	133	144	184	117	603	130	775	2,086	638	603	196		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS												PART-TIME GRADUATE STUDENTS			
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORDED			FIRST- YEAR		TOTAL PART TIME		FIRST- YEAR PART TIME		
		DHEW	OTHER	NIH DHEW NSF	INSTI- TU- TIONAL FEDERAL SUPPORT	ALL OUTSIDE SUPPORT	OTHER SUPPORT	STU- DENTS	FULL TIME	FULL YEAR	FIRST- YEAR PART TIME	FIRST- YEAR PART TIME	FIRST- YEAR PART TIME	FIRST- YEAR PART TIME	FIRST- YEAR PART TIME	FIRST- YEAR PART TIME	
NEW YORK, CONTINUED	COLUMBIA UNIV MAIN DIVISION	61	15	40	34	109	35	119	358	144	298	82	0	0	0	0	
	* ENGINEERING	38	0	75	31	105	5	1	295	64	0	0	0	0	0	0	
	PHYSICAL SCIENCES	0	0	45	37	17	6	30	110	26	0	0	0	0	0	0	
	ENVIRONMENTAL SCIENCES	1	1	9	0	42	0	0	53	18	17	6	0	0	0	0	
	MATHEMATICAL SCIENCES	85	84	2	3	76	23	150	423	224	146	93	0	0	0	0	
	LIFE SCIENCES	3	1	3	2	25	1	1	36	9	0	0	0	0	0	0	
	PSYCHOLOGY	0	43	10	10	229	56	501	851	153	142	151	0	0	0	0	
	SOCIAL SCIENCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COLUMBIA UNIV TEACHERS COLLEGE	TOTAL, ALL AREAS	0	31	0	23	108	0	517	651	153	750	144	0	0	0	0	
	PHYSICAL SCIENCES	0	31	0	0	23	0	81	107	43	81	15	0	0	0	0	
	PSYCHOLOGY	0	0	0	23	64	0	305	392	88	538	111	0	0	0	0	
	SOCIAL SCIENCES	0	0	0	0	21	0	131	152	22	131	18	0	0	0	0	
CORNELL UNIVERSITY	TOTAL, ALL AREAS	118	34	261	282	1,248	345	367	2,655	962	14	7	0	0	0	0	
	ENGINEERING	2	5	57	77	213	89	96	539	276	3	2	0	0	0	0	
	PHYSICAL SCIENCES	34	0	108	40	147	151	4	348	71	0	0	0	0	0	0	
	ENVIRONMENTAL SCIENCES	0	1	17	9	31	101	5	73	36	0	0	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	15	0	102	91	4	130	38	0	0	0	0	0	0	
	LIFE SCIENCES	78	3	53	92	406	139	104	875	277	11	5	0	0	0	0	
	PSYCHOLOGY	2	20	3	4	45	9	3	86	30	0	0	0	0	0	0	
	SOCIAL SCIENCES	2	5	8	60	30	74	151	604	234	0	0	0	0	0	0	
CUNY GRADUATE SCHOOL AND UNIV CENTER	TOTAL, ALL AREAS	76	36	15	53	635	74	647	1,536	276	71	32	0	0	0	0	
	ENGINEERING	0	31	7	10	19	21	33	74	23	31	3	0	0	0	0	
	PHYSICAL SCIENCES	1	21	2	7	150	61	20	188	41	11	1	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	0	0	30	0	21	51	9	11	0	0	0	0	0	
	LIFE SCIENCES	34	15	2	13	150	101	112	336	47	91	0	0	0	0	0	
	PSYCHOLOGY	26	13	3	2	171	23	237	475	87	10	0	0	0	0	0	
	SOCIAL SCIENCES	15	3	1	21	115	33	224	412	69	47	28	0	0	0	0	
CUNY MOUNT SINAI SCHOOL OF MEDICINE	TOTAL, ALL AREAS	23	6	0	0	30	6	9	74	17	0	0	0	0	0	0	
	LIFE SCIENCES	23	6	0	0	30	6	9	74	17	0	0	0	0	0	0	
FORDHAM UNIVERSITY	TOTAL, ALL AREAS	0	15	0	0	116	20	49	200	57	493	189	0	0	0	0	
	PHYSICAL SCIENCES	0	0	0	0	22	0	0	22	7	45	22	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	0	0	3	11	0	4	2	8	24	0	0	0	0	
	LIFE SCIENCES	0	0	0	0	29	61	0	35	16	66	36	0	0	0	0	
	PSYCHOLOGY	0	0	0	0	30	81	73	14	18	102	33	0	0	0	0	
	SOCIAL SCIENCES	0	15	0	0	32	51	14	66	18	272	91	0	0	0	0	
HOFSTRA UNIVERSITY	TOTAL, ALL AREAS	0	0	1	0	39	78	196	314	85	74	34	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	0	0	70	0	0	0	0	6	21	0	0	0	0	
	LIFE SCIENCES	0	0	1	0	20	11	33	55	27	55	32	0	0	0	0	
	PSYCHOLOGY	0	0	0	0	19	77	163	259	58	58	0	0	0	0	0	
LONG ISLAND UNIVERSITY	TOTAL, ALL AREAS	0	1	12	15	151	8	179	358	260	1,251	722	0	0	0	0	
	ENGINEERING	0	0	0	0	2	0	0	2	2	52	29	0	0	0	0	
	PHYSICAL SCIENCES	0	0	2	0	11	0	0	13	6	151	101	0	0	0	0	
	ENVIRONMENTAL SCIENCES	0	0	0	0	4	0	2	6	6	92	64	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	0	0	0	0	0	4	4	19	17	0	0	0	0	
	LIFE SCIENCES	0	1	3	15	49	0	81	149	116	562	262	0	0	0	0	
	PSYCHOLOGY	0	0	2	0	47	0	28	77	40	100	55	0	0	0	0	
	SOCIAL SCIENCES	0	0	5	0	3	0	68	107	86	421	285	0	0	0	0	
NEW SCHOOL FOR SOCIAL RESEARCH	TOTAL, ALL AREAS	0	0	0	55	122	41	152	370	194	844	202	0	0	0	0	
	PSYCHOLOGY	0	0	0	32	76	111	86	203	117	452	143	0	0	0	0	
	SOCIAL SCIENCES	0	0	0	23	48	30	66	167	77	392	59	0	0	0	0	
NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEW YORK MEDICAL COLLEGE	TOTAL, ALL AREAS	3	0	0	0	37	4	17	761	13	75	70	0	0	0	0	
	LIFE SCIENCES	3	0	0	0	37	4	17	61	13	75	70	0	0	0	0	
NEW YORK UNIVERSITY	TOTAL, ALL AREAS	88	205	56	63	440	75	705	1,630	411	2,609	684	0	0	0	0	
	PHYSICAL SCIENCES	3	0	2	11	60	3	19	137	28	58	19	0	0	0	0	
	ENVIRONMENTAL SCIENCES	0	0	5	10	12	3	101	40	18	10	4	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	21	19	26	11	29	106	32	235	138	0	0	0	0	
	LIFE SCIENCES	78	138	0	12	101	24	78	431	66	1,073	250	0	0	0	0	
	PSYCHOLOGY	4	56	2	51	52	17	196	332	82	275	161	0	0	0	0	
	SOCIAL SCIENCES	0	3	11	5	67	169	17	373	584	165	958	257	0	0	0	
POLYTECHNIC INSTITUTE OF NEW YORK	TOTAL, ALL AREAS	10	0	4	48	92	151	185	354	121	1,844	405	0	0	0	0	
	ENGINEERING	4	0	2	39	46	13	164	268	102	1,348	281	0	0	0	0	
	PHYSICAL SCIENCES	6	0	2	7	36	21	0	53	11	99	27	0	0	0	0	
	ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MATHEMATICAL SCIENCES	0	0	0	2	10	0	21	33	8	388	95	0	0	0	0	

TABLE B-6 GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1976

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES*			NON-FEDERAL SOURCES				SELF-SUPPORTED			FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
		DHEW NIH	DHEW OTHER	NSF	INSTI- TUTIONAL SUPPORT	TU- FEDERAL SUPPORT	ALL OUTSIDE SUPPORT	OTHER STUDENTS	SUP- PORTED STUDENTS	TOTAL FULL TIME				
NEW YORK, CONTINUED	POLYTECHNIC INSTITUTE OF NEW YORK	0	0	0	0	0	0	0	0	0	0	8	2	
RENNSELAER POLYTECHNIC INSTITUTE	TOTAL, ALL AREAS	17	3	70	184	350	166	255	1,045	487	309	104		
ENGINEERING		7	0	54	155	182	135	163	696	357	216	76		
PHYSICAL SCIENCES		7	0	81	13	69	13	12	122	26	27	7		
ENVIRONMENTAL SCIENCES		0	0	0	21	8	3	15	28	7	4	6		
MATHEMATICAL SCIENCES		0	0	51	111	53	4	14	87	40	12	2		
LIFE SCIENCES		4	3	14	3	18	1	4	30	8	0	0		
PSYCHOLOGY		0	3	2	0	6	9	18	38	25	9	6		
SOCIAL SCIENCES		0	0	0	0	14	1	29	44	24	41	11		
ROCKEFELLER UNIVERSITY	TOTAL, ALL AREAS	27	0	14	0	57	0	0	98	18	9	2		
PHYSICAL SCIENCES		0	0	1	0	6	0	0	7	1	0	0		
MATHEMATICAL SCIENCES		0	0	0	0	2	0	0	2	1	0	0		
LIFE SCIENCES		25	0	12	0	47	0	0	84	16	9	2		
PSYCHOLOGY		2	0	1	0	2	0	0	5	0	0	0		
ST. BONAVENTURE UNIVERSITY	TOTAL, ALL AREAS	0	0	0	0	16	2	8	26	6	5	3		
PHYSICAL SCIENCES		0	0	0	0	2	0	0	2	0	2	0		
LIFE SCIENCES		0	0	0	0	8	2	8	18	3	1	1		
PSYCHOLOGY		0	0	0	0	6	0	0	6	3	2	2		
ST. JOHN'S UNIVERSITY	TOTAL, ALL AREAS	0	0	21	0	113	2	138	255	109	582	205		
PHYSICAL SCIENCES		0	0	0	0	7	0	2	9	6	26	9		
MATHEMATICAL SCIENCES		0	0	0	0	5	0	1	6	4	27	17		
LIFE SCIENCES		0	0	21	0	59	2	14	77	43	256	103		
PSYCHOLOGY		0	0	0	0	16	0	112	128	48	181	34		
SOCIAL SCIENCES		0	0	0	0	26	0	9	35	8	92	48		
SUNY - ALBANY	TOTAL, ALL AREAS	20	6	38	14	315	5	68	466	144	168	36		
PHYSICAL SCIENCES		6	1	9	11	51	0	8	76	25	6	1		
ENVIRONMENTAL SCIENCES		0	0	18	6	33	0	3	60	19	5	1		
MATHEMATICAL SCIENCES		0	0	0	0	35	0	11	46	20	394	9		
LIFE SCIENCES		11	0	6	1	44	0	5	67	19	0	0		
PSYCHOLOGY		1	2	0	1	44	1	1	50	0	23	0		
SOCIAL SCIENCES		2	3	5	5	108	4	40	167	61	95	25		
SUNY - BINGHAMTON	TOTAL, ALL AREAS	7	18	9	7	329	20	139	524	194	359	89		
PHYSICAL SCIENCES		5	0	3	1	32	3	0	44	16	17	1		
ENVIRONMENTAL SCIENCES		0	0	21	1	18	3	6	30	10	20	1		
MATHEMATICAL SCIENCES		0	2	0	0	68	6	51	127	57	118	70		
LIFE SCIENCES		1	10	2	1	27	0	10	51	22	34	7		
PSYCHOLOGY		1	1	1	0	68	0	3	54	12	23	1		
SOCIAL SCIENCES		0	5	1	4	131	8	69	218	77	147	9		
SUNY - BUFFALO	TOTAL, ALL AREAS	212	34	714	82	619	82	286	1,386	402	608	140		
ENGINEERING		2	2	33	46	106	21	54	264	92	173	41		
PHYSICAL SCIENCES		21	0	17	18	100	4	8	161	32	10	3		
ENVIRONMENTAL SCIENCES		0	0	4	4	16	3	4	31	7	6	1		
MATHEMATICAL SCIENCES		3	0	101	0	71	9	4	97	26	27	5		
LIFE SCIENCES		163	26	4	51	130	17	83	428	132	187	56		
PSYCHOLOGY		22	2	0	15	59	3	16	117	31	59	0		
SOCIAL SCIENCES		1	4	3	1	137	25	117	288	82	146	34		
SUNY - COLL OF ENV SCIENCE AND FORESTRY	TOTAL, ALL AREAS	6	0	13	29	67	16	100	231	117	95	10		
ENGINEERING		0	0	0	21	10	9	10	31	19	13	4		
PHYSICAL SCIENCES		4	0	9	0	5	1	1	20	6	5	0		
ENVIRONMENTAL SCIENCES		0	0	1	1	14	2	34	52	37	18	2		
LIFE SCIENCES		2	0	3	26	38	4	55	128	60	59	4		
SUNY - DOWNSTATE MEDICAL CENTER	TOTAL, ALL AREAS	23	2	0	21	48	6	2	83	17	21	0		
LIFE SCIENCES		23	2	0	21	48	6	2	83	17	21	0		
SUNY - STONY BROOK	TOTAL, ALL AREAS	78	97	147	67	766	70	250	1,475	492	653	190		
ENGINEERING		0	0	19	14	78	9	23	143	65	112	21		
PHYSICAL SCIENCES		6	21	71	9	112	6	2	208	63	17	0		
ENVIRONMENTAL SCIENCES		0	2	22	19	62	6	0	111	32	21	1		
MATHEMATICAL SCIENCES		7	0	15	0	104	5	10	141	52	162	81		
LIFE SCIENCES		62	29	14	101	98	15	422	250	49	92	33		
PSYCHOLOGY		1	16	3	0	119	11	4	154	42	77	12		
SOCIAL SCIENCES		2	48	3	151	193	18	189	468	189	172	42		
SUNY - UPSTATE MEDICAL CENTER	TOTAL, ALL AREAS	11	0	0	0	26	2	0	39	5	22	2		
LIFE SCIENCES		11	0	0	0	26	2	0	39	5	22	2		
SUNY STATE COLLEGE OF OPTOMETRY	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	1	0		
LIFE SCIENCES		0	0	0	0	0	0	0	0	0	1	0		

TABLE B-6. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS 1970

CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
	FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORDED		TOTAL		FIRST- YEAR	FIRST- YEAR
	DHEW NIH OTHER DHEW NSF	OTHER DHEW	FEDERAL SUPPORT	INSTI- TUTIONAL SUPPORT	ALL OUTSIDE SUPPORT	OTHER SUPPORT	STU- DENTS	FULL TIME	FULL TIME	FULL TIME	PART TIME	PART TIME
NEW YORK, CONTINUED SYRACUSE UNIVERSITY												
TOTAL, ALL AREAS	32	57	29	47	486	137	429	1,217	485	1,040	563	
ENGINEERING	4	0	7	31	78	37	44	201	72	612	383	
PHYSICAL SCIENCES	5	0	9	2	54	5	9	84	24	0	0	
ENVIRONMENTAL SCIENCES	0	0	0	0	23	1	2	26	8	101	0	
MATHEMATICAL SCIENCES	0	0	1	2	74	1	22	100	39	200	100	
LIFE SCIENCES	8	33	6	1	47	12	12	119	30	78	55	
PSYCHOLOGY	8	10	1	5	57	12	42	135	30	0	0	
SOCIAL SCIENCES	7	14	5	6	153	69	298	952	282	140	25	
UNION COLLEGE												
TOTAL, ALL AREAS	0	0	0	0	8	2	37	47	16	223	132	
ENGINEERING	0	0	0	0	4	1	4	9	1	77	34	
PHYSICAL SCIENCES	0	0	0	0	0	0	0	0	0	4	2	
MATHEMATICAL SCIENCES	0	0	0	0	1	1	20	21	10	115	88	
LIFE SCIENCES	0	0	0	0	4	0	13	17	5	27	8	
UNIVERSITY OF ROCHESTER												
TOTAL, ALL AREAS	153	5	35	92	340	70	85	780	183	125	52	
ENGINEERING	4	0	6	8	26	13	16	73	22	57	30	
PHYSICAL SCIENCES	13	0	26	53	79	16	9	196	58	12	7	
ENVIRONMENTAL SCIENCES	0	0	0	10	21	0	11	3	0	1	0	
MATHEMATICAL SCIENCES	4	0	0	6	58	8	5	81	15	6	2	
LIFE SCIENCES	113	5	0	16	79	12	22	247	44	43	12	
PSYCHOLOGY	19	0	17	7	28	11	3	69	11	0	0	
SOCIAL SCIENCES	0	0	2	2	68	10	29	111	33	6	1	
YESHIVA UNIVERSITY												
TOTAL, ALL AREAS	122	0	4	7	21	7	114	275	77	95	29	
PHYSICAL SCIENCES	0	0	4	0	4	0	4	12	1	1	1	
MATHEMATICAL SCIENCES	0	0	0	2	17	0	3	12	4	8	3	
LIFE SCIENCES	110	0	0	5	10	7	21	134	29	0	0	
PSYCHOLOGY	12	0	0	0	0	0	105	117	43	86	25	
NORTH CAROLINA												
TOTAL, ALL AREAS	447	423	166	396	2,081	522	1,157	5,192	1,863	1,136	352	
ENGINEERING	27	42	25	111	247	95	151	698	268	170	34	
PHYSICAL SCIENCES	39	0	47	55	260	4	11	416	123	51	20	
ENVIRONMENTAL SCIENCES	0	0	22	16	81	8	52	179	73	13	1	
MATHEMATICAL SCIENCES	14	1	19	14	186	34	61	329	128	74	31	
LIFE SCIENCES	333	262	42	354	757	235	451	2,214	781	260	70	
PSYCHOLOGY	9	83	6	14	172	51	92	427	161	251	31	
SOCIAL SCIENCES	25	35	5	32	378	95	339	929	329	317	165	
DUKE UNIVERSITY												
TOTAL, ALL AREAS	186	47	42	59	278	70	140	822	244	69	11	
ENGINEERING	17	0	3	11	28	10	31	72	22	6	0	
PHYSICAL SCIENCES	12	0	8	25	49	2	1	97	28	0	0	
ENVIRONMENTAL SCIENCES	0	0	2	0	9	0	10	21	4	0	0	
MATHEMATICAL SCIENCES	2	0	5	3	23	2	7	42	17	4	0	
LIFE SCIENCES	190	9	19	16	313	22	70	389	111	15	11	
PSYCHOLOGY	2	30	3	0	13	2	14	64	9	28	0	
SOCIAL SCIENCES	13	8	2	4	43	32	35	137	53	16	0	
EAST CAROLINA UNIVERSITY												
TOTAL, ALL AREAS	0	23	0	1	126	19	64	233	106	118	31	
PHYSICAL SCIENCES	0	0	0	0	15	0	21	17	7	7	3	
ENVIRONMENTAL SCIENCES	0	0	0	0	121	0	31	15	6	3	1	
MATHEMATICAL SCIENCES	0	0	0	0	13	0	0	13	6	12	3	
LIFE SCIENCES	0	4	0	1	32	16	23	76	37	29	31	
PSYCHOLOGY	0	19	0	0	26	0	21	66	33	26	7	
SOCIAL SCIENCES	0	0	0	0	28	3	15	46	17	41	12	
NORTH CAROLINA STATE UNIV. AT RALEIGH												
TOTAL, ALL AREAS	361	11	39	150	779	288	382	1,685	556	416	91	
ENGINEERING	34	0	21	51	193	76	123	467	168	151	32	
PHYSICAL SCIENCES	1	0	4	10	75	2	2	94	26	12	1	
ENVIRONMENTAL SCIENCES	0	0	5	14	21	7	26	73	25	10	0	
MATHEMATICAL SCIENCES	1	0	2	2	71	28	25	129	48	15	7	
LIFE SCIENCES	30	0	6	55	352	136	128	707	210	72	20	
PSYCHOLOGY	1	4	1	1	22	10	28	67	28	71	6	
SOCIAL SCIENCES	0	7	0	17	45	29	50	148	51	85	25	
UNIV OF NORTH CAROLINA AT CHAPEL HILL												
TOTAL, ALL AREAS	201	330	85	188	741	112	484	2,438	794	221	118	
ENGINEERING	47	42	1	49	26	9	25	159	78	13	2	
PHYSICAL SCIENCES	26	0	35	20	111	0	1	193	49	3	0	
ENVIRONMENTAL SCIENCES	0	0	15	2	39	1	13	70	38	0	0	
MATHEMATICAL SCIENCES	11	1	12	9	68	4	26	131	48	19	5	
LIFE SCIENCES	142	238	17	62	198	52	186	895	364	43	91	
PSYCHOLOGY	3	29	2	13	53	16	0	116	32	29	0	
SOCIAL SCIENCES	12	20	3	30	246	30	233	574	185	119	102	
UNIV OF NORTH CAROLINA AT GREENSBORO												
TOTAL, ALL AREAS	31	11	0	1	80	27	74	196	120	277	106	
PHYSICAL SCIENCES	0	0	0	0	4	0	5	9	27	15		
MATHEMATICAL SCIENCES	0	0	0	0	6	0	3	9	6	23	14	
LIFE SCIENCES	0	11	0	0	111	5	36	61	36	77	36	
PSYCHOLOGY	31	0	0	0	47	21	26	97	90	97	17	
SOCIAL SCIENCES	0	0	0	1	121	11	6	201	191	531	26	

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

\* CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS									PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-PORTED	TOTAL	FIRST-YEAR FULL	TOTAL	FIRST-YEAR PART	
		DHEW	OTHER	NIH	INSTI-TU-AL	ALL OTHER	SUPP-SUPPORT			FIRST-YEAR FULL TIME	PART TIME	PART TIME	
NORTH CAROLINA, CONTINUED	WAKE FOREST UNIVERSITY												
	TOTAL, ALL AREAS	21	1	0	0	77	6	13	118	43	35	5	
	PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	4	2	1	
	MATHEMATICAL SCIENCES	0	0	0	0	5	0	0	5	3	1	0	
	LIFE SCIENCES	21	0	0	0	51	4	10	86	23	24	3	
	PSYCHOLOGY	0	1	0	0	11	2	3	17	9	5	0	
	SOCIAL SCIENCES	0	0	0	0	4	0	0	4	4	3	0	
NORTH DAKOTA													
	TOTAL, ALL AREAS	13	26	12	68	296	9	139	633	230	225	53	
	ENGINEERING	0	2	1	5	21	5	16	50	234	85	25	
	PHYSICAL SCIENCES	1	3	6	6	45	8	5	79	18	9	0	
	ENVIRONMENTAL SCIENCES	0	5	2	6	8	9	4	34	10	9	1	
	MATHEMATICAL SCIENCES	0	0	0	0	13	2	6	21	12	3	0	
	LIFE SCIENCES	12	9	3	43	123	40	65	295	100	78	17	
	PSYCHOLOGY	0	6	0	0	21	11	1	39	10	9	0	
	SOCIAL SCIENCES	0	1	0	0	65	4	42	120	57	32	10	
NORTH DAKOTA STATE UNIVERSITY													
	TOTAL, ALL AREAS	-0	0	3	50	182	45	106	386	154	159	43	
	ENGINEERING	0	0	0	3	16	4	12	35	14	73	23	
	PHYSICAL SCIENCES	0	0	2	3	24	7	5	41	12	3	0	
	MATHEMATICAL SCIENCES	0	0	0	0	8	2	5	15	7	2	0	
	LIFE SCIENCES	0	0	1	36	87	30	51	205	77	68	15	
	PSYCHOLOGY	0	0	0	0	3	0	1	4	1	0	0	
	SOCIAL SCIENCES	0	0	0	0	44	2	32	86	43	17	5	
UNIVERSITY OF NORTH DAKOTA													
	TOTAL, ALL AREAS	13	26	9	18	114	34	33	247	76	66	10	
	ENGINEERING	0	2	1	2	5	1	4	15	9	12	2	
	PHYSICAL SCIENCES	1	3	4	3	21	1	0	33	6	6	0	
	ENVIRONMENTAL SCIENCES	0	5	2	6	8	9	4	36	10	9	1	
	MATHEMATICAL SCIENCES	0	0	0	0	5	0	1	6	5	1	0	
	LIFE SCIENCES	2	9	2	7	36	10	14	90	23	14	2	
	PSYCHOLOGY	6	0	0	0	18	11	0	35	9	9	0	
	SOCIAL SCIENCES	0	1	0	0	21	2	10	34	14	15	5	
OHIO													
	TOTAL, ALL AREAS	393	559	244	885	4,940	673	2,732	10,426	4,008	4,891	1,783	
	ENGINEERING	42	9	68	459	511	224	339	1,652	636	1,522	397	
	PHYSICAL SCIENCES	46	0	98	115	759	68	89	1,175	341	227	86	
	ENVIRONMENTAL SCIENCES	0	4	10	34	213	38	82	381	158	96	19	
	MATHEMATICAL SCIENCES	4	1	8	12	498	26	137	686	235	208	188	
	LIFE SCIENCES	255	375	44	96	1,174	176	665	2,785	1,103	1,073	483	
	PSYCHOLOGY	43	47	3	46	582	44	319	1,086	357	277	44	
	SOCIAL SCIENCES	3	123	13	121	1,203	97	1,101	2,661	1,178	1,288	566	
AIR FORCE INSTITUTE OF TECHNOLOGY													
	TOTAL, ALL AREAS	0	0	0	274	0	0	0	274	114	0	0	
	ENGINEERING	0	0	0	193	0	0	0	193	95	0	0	
	PHYSICAL SCIENCES	0	0	0	81	0	0	0	81	39	0	0	
BOWLING GREEN STATE UNIVERSITY													
	TOTAL, ALL AREAS	6	7	1	27	286	14	197	608	279	190	89	
	PHYSICAL SCIENCES	0	0	0	0	84	0	1	251	18	14	0	
	ENVIRONMENTAL SCIENCES	0	0	0	1	14	1	8	24	14	18	0	
	MATHEMATICAL SCIENCES	0	0	0	1	82	3	77	163	69	92	58	
	LIFE SCIENCES	0	4	0	4	45	2	8	63	30	19	5	
	PSYCHOLOGY	5	0	0	17	69	7	0	98	30	30	0	
	SOCIAL SCIENCES	1	3	1	4	122	1	103	235	118	57	26	
CASE WESTERN RESERVE UNIVERSITY													
	TOTAL, ALL AREAS	144	208	66	88	285	133	365	1,289	499	366	72	
	ENGINEERING	34	4	22	46	60	56	83	305	103	150	15	
	PHYSICAL SCIENCES	7	0	18	6	34	18	1	84	28	16	3	
	ENVIRONMENTAL SCIENCES	0	1	23	1	3	2	2	12	2	31	3	
	MATHEMATICAL SCIENCES	0	0	0	0	9	1	0	101	2	61	2	
	LIFE SCIENCES	103	123	23	11	44	30	101	435	172	74	36	
	PSYCHOLOGY	0	11	0	0	9	0	23	43	11	28	0	
	SOCIAL SCIENCES	0	69	0	24	126	26	155	400	181	89	13	
CLEVELAND STATE UNIVERSITY													
	TOTAL, ALL AREAS	0	21	3	0	97	23	81	225	100	683	200	
	ENGINEERING	0	0	3	0	12	2	5	22	7	260	64	
	PHYSICAL SCIENCES	0	0	0	0	21	11	23	58	11	61	10	
	MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	0	121	6	
	LIFE SCIENCES	0	8	0	0	20	10	34	72	44	69	21	
	PSYCHOLOGY	0	13	0	0	32	0	10	55	27	21	0	
	SOCIAL SCIENCES	0	0	0	0	10	0	9	19	11	279	.99	
KENT STATE UNIVERSITY													
	TOTAL, ALL AREAS	14	39	9	21	334	9	173	599	239	267	162	
	PHYSICAL SCIENCES	2	0	8	1	68	5	81	92	18	121	12	
	ENVIRONMENTAL SCIENCES	0	0	0	2	27	3	4	36	8	91	1	
	MATHEMATICAL SCIENCES	0	0	1	0	26	0	3	30	10	53	41	
	LIFE SCIENCES	0	37	0	5	58	1	65	166	94	118	78	
	PSYCHOLOGY	12	2	0	10	63	0	28	115	24	0	0	
	SOCIAL SCIENCES	0	0	0	3	92	0	65	160	89	75	30	
MEDICAL COLLEGE OF OHIO AT TOLEDO													
	TOTAL, ALL AREAS	0	0	0	0	21	0	2	23	9	21	1	

TABLE B-6. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- PORTED			FIRST- YEAR TOTAL	FIRST- YEAR TOTAL	FIRST- YEAR PART
	DHEW	NIH DHEW	OTHER DHEW	NSF	OTHER FEDERAL	INSTI- TUTIONAL SUPPORT	ALL TU- OTHER SUPPORT	OUTSIDE SUPPORT	STU- DENTS	FULL TIME	FIRST- YEAR FULL TIME	PART TIME	PART TIME
OHIO, CONTINUED MEDICAL COLLEGE OF OHIO AT TOLEDO LIFE SCIENCES	0	0	0	0	0	21	0	2	23	9	2	1	
MIAMI UNIVERSITY TOTAL, ALL AREAS	1	5	4	13	325	10	37	395	176	44	18		
ENGINEERING	0	0	0	0	8	3	0	11	5	4	1		
PHYSICAL SCIENCES	0	0	0	4	52	1	1	58	26	0	0		
ENVIRONMENTAL SCIENCES	0	3	2	3	7	2	19	76	39	7	2		
MATHEMATICAL SCIENCES	0	0	0	0	28	0	0	25	12	0	0		
LIFE SCIENCES	0	0	1	4	77	1	4	87	30	0	0		
PSYCHOLOGY	0	1	1	2	55	0	5	69	24	9	2		
SOCIAL SCIENCES	1	1	0	0	61	3	8	74	40		13		
OHIO STATE UNIVERSITY													
TOTAL, ALL AREAS	159	163	114	321	1,692	301	989	3,739	1,354	883	373		
ENGINEERING	4	3	30	139	156	103	136	571	241	241	64		
PHYSICAL SCIENCES	33	0	47	17	236	5	11	349	75	5	0		
ENVIRONMENTAL SCIENCES	0	0	3	24	39	15	20	101	46	13	1		
MATHEMATICAL SCIENCES	4	1	7	11	254	15	24	316	96	52	18		
LIFE SCIENCES	99	99	15	42	504	95	285	1,139	412	186	72		
PSYCHOLOGY	18	10	2	12	115	18	56	231	73	55	3		
SOCIAL SCIENCES	1	50	10	76	388	50	457	1,032	411	331	215		
OHIO UNIVERSITY													
TOTAL, ALL AREAS	91	0	10	111	381	43	134	588	216	130	31		
ENGINEERING	0	0	2	71	34	101	39	92	25	41	18		
PHYSICAL SCIENCES	2	0	3	1	60	9	4	79	13	4	2		
ENVIRONMENTAL SCIENCES	0	0	2	0	15	14	14	45	20	8	0		
MATHEMATICAL SCIENCES	0	0	0	0	18	0	16	34	8	1	0		
LIFE SCIENCES	1	0	3	0	85	1	5	95	36	15	11		
PSYCHOLOGY	6	0	0	2	73	0	0	81	21	23	0		
SOCIAL SCIENCES	0	0	0	1	96	9	56	62	93	36	10		
UNION OF EXPERIMENTING COLLEGES & UNIVS													
TOTAL, ALL AREAS	0	0	0	0	0	0	0	352	352	117	0	0	
ENGINEERING	0	0	0	0	0	0	1	1	0	0	0		
ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	2	2	0	0	0		
MATHEMATICAL SCIENCES	0	0	0	0	0	0	5	5	1	0	0		
LIFE SCIENCES	0	0	0	0	0	0	0	58	20	0	0		
PSYCHOLOGY	0	0	0	0	0	0	0	178	142	38	0		
SOCIAL SCIENCES	0	0	0	0	0	0	0	174	174	58	0		
UNIVERSITY OF AKRON													
TOTAL, ALL AREAS	21	3	10	2	283	20	97	417	192	478	187		
ENGINEERING	0	0	0	1	34	3	7	45	19	129	38		
PHYSICAL SCIENCES	0	0	10	1	73	14	17	115	51	74	45		
ENVIRONMENTAL SCIENCES	0	0	0	0	16	0	4	20	10	20	8		
MATHEMATICAL SCIENCES	0	0	0	0	10	0	0	10	8	38	6		
LIFE SCIENCES	0	3	0	0	41	0	32	76	31	69	27		
PSYCHOLOGY	2	0	0	0	38	0	12	52	24	20	5		
SOCIAL SCIENCES	0	0	0	0	71	3	25	99	49	128	58		
UNIVERSITY OF CINCINNATI													
TOTAL, ALL AREAS	58	119	21	64	794	96	223	1,369	508	894	341		
ENGINEERING	4	21	8	23	159	40	60	296	127	271	65		
PHYSICAL SCIENCES	2	0	10	3	121	5	21	162	33	12	4		
ENVIRONMENTAL SCIENCES	0	0	0	2	26	0	4	32	7	7	0		
MATHEMATICAL SCIENCES	0	0	0	0	36	1	1	38	9	5	0		
LIFE SCIENCES	52	101	1	18	200	35	55	462	182	447	226		
PSYCHOLOGY	0	10	0	5	59	14	49	137	48	32	17		
SOCIAL SCIENCES	0	0	2	13	193	1	33	242	102	120	32		
UNIVERSITY OF DAYTON													
TOTAL, ALL AREAS	0	0	2	46	60	9	26	143	54	407	128		
ENGINEERING	0	0	1	46	1	3	1	52	15	230	61		
PHYSICAL SCIENCES	0	0	0	0	6	0	0	6	2	0	0		
MATHEMATICAL SCIENCES	0	0	0	0	5	6	3	14	6	42	23		
LIFE SCIENCES	0	0	1	0	15	0	5	21	6	9	0		
PSYCHOLOGY	0	0	0	0	25	0	13	38	17	50	7		
SOCIAL SCIENCES	0	0	0	0	8	0	4	12	8	76	37		
UNIVERSITY OF TOLEDO													
TOTAL, ALL AREAS	0	0	4	6	201	15	16	242	97	285	95		
ENGINEERING	0	0	2	4	42	4	4	56	16	157	58		
PHYSICAL SCIENCES	0	0	2	1	37	0	1	41	18	6	2		
ENVIRONMENTAL SCIENCES	0	0	0	1	14	1	1	17	7	2	1		
MATHEMATICAL SCIENCES	0	0	0	0	15	0	0	15	6	5	1		
LIFE SCIENCES	0	0	0	0	28	1	0	29	17	28	4		
PSYCHOLOGY	0	0	0	0	37	5	9	51	17	43	5		
SOCIAL SCIENCES	0	0	0	0	28	4	1	33	16	44	24		
WRIGHT STATE UNIVERSITY													
TOTAL, ALL AREAS	0	0	0	12	111	0	40	163	54	262	86		
ENGINEERING	0	0	0	0	5	0	3	8	3	39	13		
PHYSICAL SCIENCES	0	0	0	0	27	0	1	28	9	33	11		
ENVIRONMENTAL SCIENCES	0	0	0	0	12	0	4	16	5	9	3		
MATHEMATICAL SCIENCES	0	0	0	0	16	0	8	24	8	102	33		
LIFE SCIENCES	0	0	0	12	36	0	11	59	20	37	12		
PSYCHOLOGY	0	0	0	0	7	0	2	9	3	15	5		
SOCIAL SCIENCES	0	0	0	0	8	0	11	19	6	27	9		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED STU- DENTS			TOTAL YEAR TIME	FIRST- YEAR TIME	TOTAL PART TIME	FIRST- YEAR TIME
		NIH	DHEW	OTHER	INSTI- TU- TIONAL SUPPORT	OTHER FEDERAL SUPPORT	OUTSIDE SUPPORT	ALL STU- DENTS	SUP- PORTEO STU- DENTS					
OKLAHOMA														
TOTAL, ALL AREAS		30	130	30	203	875	217	1,178	2,663	933	1,094	324		
ENGINEERING		1	0	8	70	190	69	491	829	314	404	122		
PHYSICAL SCIENCES		4	0	12	16	74	3	37	146	32	34	7		
ENVIRONMENTAL SCIENCES		0	16	3	18	45	13	106	201	81	88	10		
MATHEMATICAL SCIENCES		0	0	0	1	79	14	38	132	35	11	3		
LIFE SCIENCES		21	67	3	58	236	90	244	719	247	214	80		
PSYCHOLOGY		2	39	2	6	58	5	34	146	54	16	8		
SOCIAL SCIENCES		2	8	2	34	193	23	228	490	170	327	94		
OKLAHOMA COLL OF OSTEOPATHIC MED & SURGERY		0	0	0	0	0	0	0	0	0	0	0		
TOTAL, ALL AREAS		0	0	0	0	0	0	0	0	0	0	0		
OKLAHOMA STATE UNIVERSITY														
TOTAL, ALL AREAS		10	35	12	111	565	143	354	1,230	394	222	70		
ENGINEERING		0	0	1	32	17	28	173	351	127	57	23		
PHYSICAL SCIENCES		1	0	8	16	52	3	2	80	18	49	0		
ENVIRONMENTAL SCIENCES		0	0	0	1	12	6	10	29	17	9	0		
MATHEMATICAL SCIENCES		0	0	0	0	67	13	23	104	26	5	2		
LIFE SCIENCES		7	2	3	38	193	67	58	328	93	36	6		
PSYCHOLOGY		0	28	0	31	31	3	16	81	25	0	0		
SOCIAL SCIENCES		2	5	0	22	133	23	72	257	88	111	39		
UNIVERSITY OF OKLAHOMA HEALTH SCI CENTER														
TOTAL, ALL AREAS		16	87	0	23	52	29	184	391	158	160	72		
ENVIRONMENTAL SCIENCES		0	12	0	6	0	4	32	54	21	15	2		
LIFE SCIENCES		14	65	0	17	50	23	148	317	131	145	70		
PSYCHOLOGY		1	21	10	0	2	2	4	20	6	0	0		
UNIVERSITY OF OKLAHOMA - NORMAN														
TOTAL, ALL AREAS		4	1	18	67	223	19	595	927	345	626	142		
ENGINEERING		1	0	7	36	62	19	297	422	171	308	73		
PHYSICAL SCIENCES		3	0	4	2	22	0	35	66	14	30	7		
ENVIRONMENTAL SCIENCES		0	0	3	11	26	0	47	87	37	41	4		
MATHEMATICAL SCIENCES		0	0	0	0	61	0	14	20	6	3	1		
LIFE SCIENCES		0	0	0	3	33	0	38	74	23	33	4		
PSYCHOLOGY		0	1	2	3	18	0	9	33	15	8	0		
SOCIAL SCIENCES		0	0	2	12	56	0	155	225	79	203	93		
UNIVERSITY OF TULSA														
TOTAL, ALL AREAS		0	7	0	2	35	26	49	115	36	86	40		
ENGINEERING		0	0	0	2	11	22	21	56	16	39	26		
ENVIRONMENTAL SCIENCES		0	4	0	0	7	3	17	31	6	23	4		
MATHEMATICAL SCIENCES		0	0	0	0	6	1	1	8	3	3	0		
PSYCHOLOGY		0	0	0	0	7	0	5	12	8	8	8		
SOCIAL SCIENCES		0	3	0	0	4	0	1	8	3	13	2		
OREGON														
TOTAL, ALL AREAS		136	69	137	279	921	239	925	2,706	1,031	556	267		
ENGINEERING		0	0	8	47	82	43	119	299	123	91	33		
PHYSICAL SCIENCES		29	7	35	10	138	14	39	272	84	111	61		
ENVIRONMENTAL SCIENCES		0	0	54	60	66	19	59	254	81	22	11		
MATHEMATICAL SCIENCES		0	3	1	11	103	8	101	227	64	75	39		
LIFE SCIENCES		89	14	34	114	347	104	219	918	328	116	26		
PSYCHOLOGY		18	17	4	2	29	11	25	106	38	21	11		
SOCIAL SCIENCES		0	31	1	35	156	44	363	630	313	220	141		
OREGON GRADUATE CENTER														
TOTAL, ALL AREAS		3	0	2	9	16	7	0	37	10	5	3		
ENGINEERING		0	0	0	4	2	2	0	8	1	2	1		
PHYSICAL SCIENCES		3	0	0	3	11	3	0	20	6	2	1		
ENVIRONMENTAL SCIENCES		4	0	2	2	3	-2	0	9	3	1	1		
OREGON STATE UNIVERSITY														
TOTAL, ALL AREAS		30	20	93	230	533	157	436	1,499	518	188	43		
ENGINEERING		0	0	8	40	69	37	114	268	102	53	10		
PHYSICAL SCIENCES		1	6	10	31	68	3	4	95	30	0	0		
ENVIRONMENTAL SCIENCES		0	0	47	55	16	11	35	164	41	6	1		
MATHEMATICAL SCIENCES		0	3	1	8	48	0	35	95	22	39	18		
LIFE SCIENCES		29	11	27	112	293	92	175	739	277	69	9		
SOCIAL SCIENCES		0	0	0	12	39	14	73	138	46	21	5		
PORLTAND STATE UNIVERSITY														
TOTAL, ALL AREAS		0	24	0	32	103	24	224	407	303	266	216		
ENGINEERING		0	0	0	3	11	4	5	23	20	36	22		
PHYSICAL SCIENCES		0	0	0	0	10	0	1	11	6	5	4		
ENVIRONMENTAL SCIENCES		0	0	0	2	29	1	3	35	23	9	9		
MATHEMATICAL SCIENCES		0	0	0	3	7	1	0	11	11	23	20		
LIFE SCIENCES		0	0	0	21	16	0	7	25	12	14	14		
PSYCHOLOGY		0	2	0	0	5	0	16	23	16	19	11		
SOCIAL SCIENCES		0	22	0	22	25	18	192	279	215	160	136		
UNIVERSITY OF OREGON														
TOTAL, ALL AREAS		71	25	41	8	261	38	258	702	187	85	4		
PHYSICAL SCIENCES		25	1	25	4	49	8	34	146	42	41	1		
ENVIRONMENTAL SCIENCES		0	0	5	1	18	1	21	46	14	6	0		
MATHEMATICAL SCIENCES		0	0	0	0	48	7	66	121	31	31	1		
LIFE SCIENCES		36	0	7	0	30	1	30	104	27	23	2		
PSYCHOLOGY		10	15	3	21	24	9	9	72	21	0	0		
SOCIAL SCIENCES		0	9	1	11	921	121	981	213	521	39	0		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUPPORTED			FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
		DHEW	OTHER	NIH	INSTI-TU-AL	ALL OTHER	SUP-PORTED	TOTAL	FIRST-YEAR FULL TIME	FIRST-YEAR FULL TIME	FIRST-YEAR PART TIME			
OREGON, CONTINUED	UNIVERSITY OF OREGON HEALTH SCI CENTER													
	TOTAL, ALL AREAS	32	0	1	0	8	13	7	61	13	12	1		
	LIFE SCIENCES	24	0	0	0	8	11	7	50	12	10	1		
	PSYCHOLOGY	8	0	1	0	0	2	0	11	1	2	0		
PENNSYLVANIA	TOTAL, ALL AREAS	638	556	421	762	3,286	785	2,233	8,681	2,011	5,054	1,486		
	ENGINEERING	53	33	163	327	495	314	370	1,755	683	1,971	540		
	PHYSICAL SCIENCES	75	1	122	142	561	52	60	1,013	256	177	48		
	ENVIRONMENTAL SCIENCES	4	22	44	54	132	22	68	346	113	84	10		
	MATHEMATICAL SCIENCES	3	0	29	45	365	40	62	544	169	527	179		
	LIFE SCIENCES	435	309	26	136	758	132	508	2,301	770	937	297		
	PSYCHOLOGY	55	74	11	11	230	27	344	752	226	266	333		
	SOCIAL SCIENCES	13	117	26	47	748	198	821	1,970	694	1,092	379		
BRYN MAWR COLLEGE	TOTAL, ALL AREAS	2	0	1	4	41	4	22	74	26	114	26		
	PHYSICAL SCIENCES	0	0	0	0	10	0	2	12	4	5	1		
	ENVIRONMENTAL SCIENCES	0	0	0	0	5	0	1	6	2	2	0		
	LIFE SCIENCES	0	0	1	0	8	0	0	9	4	6	1		
	PSYCHOLOGY	2	0	0	2	9	2	14	29	12	74	17		
	SOCIAL SCIENCES	0	0	0	2	9	2	5	18	4	27	7		
CARNEGIE-MELLON UNIVERSITY	TOTAL, ALL AREAS	19	24	96	129	230	93	76	667	241	219	96		
	ENGINEERING	16	1	54	60	101	67	18	317	142	183	89		
	PHYSICAL SCIENCES	3	0	11	25	31	4	4	78	23	15	3		
	MATHEMATICAL SCIENCES	0	0	23	42	36	15	4	120	30	11	3		
	LIFE SCIENCES	0	0	0	0	14	0	0	14	3	0	0		
	PSYCHOLOGY	0	6	6	0	3	0	0	15	1	8	0		
	SOCIAL SCIENCES	0	17	2	2	95	7	50	123	42	2	1		
DREXEL UNIVERSITY	TOTAL, ALL AREAS	31	15	9	61	113	20	106	327	115	523	152		
	ENGINEERING	0	15	8	29	46	16	74	188	68	435	108		
	PHYSICAL SCIENCES	0	0	1	10	39	1	3	56	18	22	6		
	MATHEMATICAL SCIENCES	1	0	0	0	11	1	0	13	5	12	4		
	LIFE SCIENCES	2	0	0	22	17	2	27	70	24	54	34		
DUQUESNE UNIVERSITY	TOTAL, ALL AREAS	0	0	4	0	68	1	128	201	71	181	29		
	PHYSICAL SCIENCES	0	0	3	0	14	0	1	18	7	39	8		
	MATHEMATICAL SCIENCES	0	0	0	0	2	0	0	2	0	7	2		
	LIFE SCIENCES	0	0	1	0	22	1	11	35	18	29	5		
	PSYCHOLOGY	0	0	0	0	23	0	107	130	36	78	0		
	SOCIAL SCIENCES	0	0	0	0	7	0	9	16	10	33	14		
HAMMERMEDICAL COLLEGE AND HOSPITAL	TOTAL, ALL AREAS	5	21	0	6	50	17	188	287	103	5	0		
	LIFE SCIENCES	5	0	0	6	48	13	41	113	30	5	0		
	PSYCHOLOGY	0	21	0	0	2	4	147	174	73	0	0		
LEHIGH UNIVERSITY	TOTAL, ALL AREAS	4	1	29	29	231	70	51	415	144	237	56		
	ENGINEERING	0	0	17	22	85	55	11	190	77	158	41		
	PHYSICAL SCIENCES	4	1	10	5	67	3	4	96	28	14	6		
	ENVIRONMENTAL SCIENCES	0	0	2	1	15	1	7	26	8	0	0		
	MATHEMATICAL SCIENCES	0	0	0	0	30	2	51	37	11	15	5		
	LIFE SCIENCES	0	0	0	1	11	1	7	20	4	2	0		
	PSYCHOLOGY	0	0	0	0	8	0	1	9	3	4	0		
	SOCIAL SCIENCES	0	0	0	0	15	6	16	37	13	44	4		
PENNSYLVANIA STATE UNIVERSITY	TOTAL, ALL AREAS	111	157	134	308	896	228	515	2,349	868	907	182		
	ENGINEERING	6	17	41	129	120	97	91	501	191	239	44		
	PHYSICAL SCIENCES	30	0	34	43	111	18	13	299	66	19	8		
	ENVIRONMENTAL SCIENCES	4	22	34	43	73	8	30	214	78	49	6		
	MATHEMATICAL SCIENCES	0	0	3	1	103	3	27	137	52	38	10		
	LIFE SCIENCES	63	49	10	73	23	61	119	588	228	171	22		
	PSYCHOLOGY	0	28	0	6	11	6	31	142	31	60	4		
	SOCIAL SCIENCES	8	41	12	13	203	35	204	518	222	331	88		
PHILA COLLEGE OF OSTEOPATHIC MEDICINE	TOTAL, ALL AREAS	0	6	0	0	26	0	0	32	17	0	0		
	LIFE SCIENCES	0	6	0	0	26	0	0	32	17	0	0		
PHILADELPHIA COLL OF PHARMACY AND SCI	TOTAL, ALL AREAS	0	0	0	0	24	2	4	30	5	10	1		
	PHYSICAL SCIENCES	0	0	0	0	8	1	21	11	1	0	0		
	LIFE SCIENCES	0	0	0	0	16	1	2	19	4	10	1		
TEMPLE UNIVERSITY	TOTAL, ALL AREAS	66	40	8	3	391	36	292	836	277	478	247		
	PHYSICAL SCIENCES	11	0	4	0	52	8	3	68	8	91	11		
	ENVIRONMENTAL SCIENCES	0	0	1	0	14	0	0	15	6	0	0		
	MATHEMATICAL SCIENCES	0	0	0	0	44	6	8	58	23	67	26		
	LIFE SCIENCES	63	3	2	0	91	4	64	227	66	26	23		
	PSYCHOLOGY	0	0	0	0	47	10	36	93	28	0	0		
	SOCIAL SCIENCES	2	37	1	3	143	8	181	375	146	376	197		
THE MEDICAL COLLEGE OF PENNSYLVANIA	TOTAL, ALL AREAS	0	0	0	0	181	0	58	76	8	58	10		

TABLE B-6. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS			
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- SUP- PORTEO			TOTAL YEAR TIME	FIRST- YEAR PART TIME	FIRST- YEAR PART TIME	
		DHEW	OTHER	NIH DHEW NSF	INSTI- TUTIO- NAL FEDERAL	ALL OTHER SUPPORT	SUP- PORTED OUTSIDE STU- DENTS	TOTAL FEDERAL SUPPORT	FIRST- YEAR TIME						
PENNSYLVANIA, CONTINUED	THE MEDICAL COLLEGE OF PENNSYLVANIA	0	0	0	0	18	0	58	76	8	58	10			
LIFE SCIENCES		0	0	0	0	42	2	10	71	16	13	0			
THOMAS JEFFERSON UNIVERSITY		8	9	0	0	42	2	10	71	16	13	0			
TOTAL, ALL AREAS		8	9	0	0	42	2	10	71	16	13	0			
LIFE SCIENCES		8	9	0	0	42	2	10	71	16	13	0			
UNIVERSITY OF PENNSYLVANIA															
TOTAL, ALL AREAS		286	17	80	114	429	191	507	1,624	425	443	90			
ENGINEERING		23	0	32	52	58	28	89	276	95	256	38			
PHYSICAL SCIENCES		23	0	23	44	89	0	9	196	39	42	0			
ENVIRONMENTAL SCIENCES		0	0	4	5	14	12	29	64	17	13	3			
MATHEMATICAL SCIENCES		0	0	1	0	35	7	2	45	13	10	0			
LIFE SCIENCES		230	4	6	0	52	21	63	376	72	15	7			
PSYCHOLOGY		10	0	5	0	22	4	0	41	11	0	0			
SOCIAL SCIENCES		0	13	9	13	165	113	315	626	178	137	42			
UNIVERSITY OF PITTSBURGH															
TOTAL, ALL AREAS		132	266	60	108	654	118	234	1,572	543	1,366	389			
ENGINEERING		8	0	11	35	84	40	71	257	96	538	147			
PHYSICAL SCIENCES		14	0	36	15	116	7	17	205	54	221	8			
ENVIRONMENTAL SCIENCES		0	0	3	5	11	1	1	21	2	20	1			
MATHEMATICAL SCIENCES		2	0	2	2	94	6	7	113	27	137	37			
LIFE SCIENCES		64	238	6	34	164	26	95	627	267	509	180			
PSYCHOLOGY		41	19	0	3	32	1	8	104	24	17	0			
SOCIAL SCIENCES		3	9	2	14	153	29	35	245	73	121	16			
VILLANDYA UNIVERSITY															
TOTAL, ALL AREAS		2	0	0	0	73	3	42	120	52	502	208			
ENGINEERING		0	0	0	0	7	3	16	26	14	162	73			
PHYSICAL SCIENCES		0	0	0	0	24	0	0	24	8	25	7			
MATHEMATICAL SCIENCES		0	0	0	0	10	0	9	19	8	230	92			
LIFE SCIENCES		0	0	0	0	13	0	11	24	9	39	14			
PSYCHOLOGY		2	0	0	0	13	0	0	15	7	25	12			
SOCIAL SCIENCES		0	0	0	0	6	0	6	12	6	21	10			
RHODE ISLAND															
TOTAL, ALL AREAS		33	37	164	190	564	93	272	1,353	391	400	66			
ENGINEERING		0	0	48	63	58	10	35	214	67	144	24			
PHYSICAL SCIENCES		13	6	39	20	95	12	13	198	55	81	21			
ENVIRONMENTAL SCIENCES		0	0	50	32	32	15	13	145	46	58	6			
MATHEMATICAL SCIENCES		1	7	16	9	65	8	19	125	25	47	8			
LIFE SCIENCES		6	11	6	28	155	12	104	322	92	83	16			
PSYCHOLOGY		3	13	1	6	63	18	22	126	27	51	0			
SOCIAL SCIENCES		10	0	4	32	93	18	66	223	79	55	10			
BROWN UNIVERSITY															
TOTAL, ALL AREAS		27	17	110	622	239	44	49	548	135	41	13			
* ENGINEERING		0	0	37	19	9	5	4	74	17	91	5			
PHYSICAL SCIENCES		12	6	35	16	59	9	3	140	34	21	4			
ENVIRONMENTAL SCIENCES		0	0	15	8	11	1	0	35	8	11	0			
* MATHEMATICAL SCIENCES		0	7	16	8	41	8	4	84	16	41	0			
LIFE SCIENCES		2	0	2	1	29	3	4	41	7	31	0			
PSYCHOLOGY		3	4	1	0	16	0	0	24	7	0	0			
* SOCIAL SCIENCES		10	0	4	10	74	18	34	150	46	22	4			
PROVIDENCE COLLEGE															
TOTAL, ALL AREAS		0	0	0	0	2	0	1	3	1	3	1			
PHYSICAL SCIENCES		0	0	0	0	2	0	1	3	1	3	1			
UNIVERSITY OF RHODE ISLAND															
TOTAL, ALL AREAS		6	20	54	128	323	49	222	802	255	356	52			
ENGINEERING		0	0	11	4	49	5	31	140	50	135	19			
PHYSICAL SCIENCES		1	0	4	4	34	3	9	55	20	31	0			
ENVIRONMENTAL SCIENCES		0	0	35	24	24	14	13	110	38	57	6			
MATHEMATICAL SCIENCES		1	0	0	1	24	0	15	41	9	43	0			
* LIFE SCIENCES		4	11	4	27	126	9	100	281	85	80	14			
PSYCHOLOGY		0	9	0	6	47	18	22	102	20	5	0			
SOCIAL SCIENCES		0	0	0	22	19	0	32	73	33	33	5			
SOUTH CAROLINA															
TOTAL, ALL AREAS		44	53	28	208	982	106	397	1,818	679	1,012	377			
ENGINEERING		5	0	0	48	163	28	54	298	115	335	109			
PHYSICAL SCIENCES		21	0	11	21	133	5	9	181	51	21	8			
ENVIRONMENTAL SCIENCES		0	0	3	25	52	31	6	117	29	9	0			
MATHEMATICAL SCIENCES		0	0	0	0	115	2	19	136	54	116	23			
LIFE SCIENCES		16	17	14	90	336	27	131	631	228	294	99			
PSYCHOLOGY		2	15	0	8	47	0	33	105	31	49	0			
SOCIAL SCIENCES		0	21	0	35	136	13	145	350	171	188	138			
CLEMSON UNIVERSITY															
TOTAL, ALL AREAS		6	0	0	1	363	29	102	601	219	257	43			
ENGINEERING		4	0	0	1	128	18	48	232	75	115	19			
PHYSICAL SCIENCES		0	0	0	1	54	0	3	58	16	14	3			
MATHEMATICAL SCIENCES		0	0	0	0	48	0	4	52	26	11	21			
LIFE SCIENCES		2	0	0	56	118	10	27	213	77	106	13			
SOCIAL SCIENCES		0	0	0	10	15	1	20	46	25	11	6			
HEDICAL UNIVERSITY OF SOUTH CAROLINA															
TOTAL, ALL AREAS		8	0	0	0	96	1	8	113	16	10	9			

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS			
		FEDERAL SOURCES				NON-FEDERAL SOURCES			SELF-SUPPORTED			TOTAL FULL TIME	YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR TIME
		DHEN	OTHER	INSTI-	TU-	ALL	OUTSIDE	SUP-	PORTED	STUD-	ENTS				
		NH	DHEW	NSP	FEDERAL	SUPPORT	SUPPORT	INTL	STUDENTS	ENTS					
SOUTH CAROLINA, CONTINUED	MEDICAL UNIVERSITY OF SOUTH CAROLINA	8	0	0	0	96	1	8	113	10	10	10	9		
UNIVERSITY OF SOUTH CAROLINA	TOTAL, ALL AREAS	30	53	28	107	523	76	287	1,104	450	745	325			
ENGINEERING		1	0	0	14	35	10	6	66	40	220	90			
PHYSICAL SCIENCES		21	0	11	1	79	5	6	123	35	71	5			
ENVIRONMENTAL SCIENCES		0	0	3	25	52	31	6	117	29	91	0			
MATHEMATICAL SCIENCES		0	0	0	0	67	21	15	84	28	105	21			
LIFE SCIENCES		6	17	14	34	122	16	96	305	141	178	77			
PSYCHOLOGY		2	15	0	8	47	0	33	105	31	49	0			
SOCIAL SCIENCES		0	21	0	25	121	12	125	304	146	177	132			
SOUTH DAKOTA															
UNIVERSITY OF SOUTHERN SOUTH DAKOTA	TOTAL, ALL AREAS	6	27	6	52	193	55	126	465	198	173	66			
ENGINEERING		0	6	2	6	37	7	48	106	81	31	5			
PHYSICAL SCIENCES		0	0	0	3	20	0	5	28	9	101	31			
ENVIRONMENTAL SCIENCES		0	4	2	14	10	11	0	41	12	25	1			
MATHEMATICAL SCIENCES		0	0	0	0	7	0	11	8	5	21	1			
LIFE SCIENCES		6	6	2	20	87	17	40	178	71	36	14			
PSYCHOLOGY		0	8	0	9	3	16	0	36	11	0	0			
SOCIAL SCIENCES		0	3	0	0	29	4	32	68	39	69	22			
SOUTH DAKOTA SCHOOL OF MINES AND TECH															
UNIVERSITY OF SOUTHERN SOUTH DAKOTA	TOTAL, ALL AREAS	0	10	4	23	91	17	35	130	56	51	5			
ENGINEERING		0	6	2	6	24	6	39	78	41	21	3			
PHYSICAL SCIENCES		0	0	0	3	5	0	1	9	3	6	1			
ENVIRONMENTAL SCIENCES		0	4	2	14	10	11	0	41	12	24	1			
MATHEMATICAL SCIENCES		0	0	0	0	7	0	0	2	0	0	0			
LIFE SCIENCES		0	1	0	14	58	14	23	110	44	21	8			
SOCIAL SCIENCES		0	0	0	0	18	4	21	43	20	13	5			
UNIVERSITY OF SOUTH DAKOTA															
UNIVERSITY OF SOUTH DAKOTA	TOTAL, ALL AREAS	6	16	2	15	53	19	29	140	64	75	26			
PHYSICAL SCIENCES		0	0	0	0	5	0	0	5	2	11	0			
ENVIRONMENTAL SCIENCES		0	0	0	0	0	0	0	0	0	1	0			
MATHEMATICAL SCIENCES		0	0	0	0	5	0	1	6	5	21	1			
LIFE SCIENCES		6	5	2	6	29	3	17	68	27	151	6			
PSYCHOLOGY		0	8	0	9	3	16	0	36	11	0	0			
SOCIAL SCIENCES		0	3	0	0	11	0	11	25	19	56	17			
TENNESSEE															
UNIVERSITY OF TENNESSEE	TOTAL, ALL AREAS	152	152	40	262	1,432	426	1,221	3,685	1,301	1,587	558			
ENGINEERING		0	0	9	63	215	121	99	507	179	646	228			
PHYSICAL SCIENCES		4	0	11	19	151	10	21	216	60	231	46			
ENVIRONMENTAL SCIENCES		0	0	0	0	44	21	56	121	61	131	2			
MATHEMATICAL SCIENCES		0	0	0	8	150	1	79	238	91	106	75			
LIFE SCIENCES		141	75	16	62	422	105	418	1,239	452	246	59			
PSYCHOLOGY		5	67	1	23	107	63	158	504	127	159	27			
SOCIAL SCIENCES		2	10	3	87	263	105	390	860	331	394	161			
EAST TENNESSEE STATE UNIVERSITY															
EAST TENNESSEE STATE UNIVERSITY	TOTAL, ALL AREAS	0	10	0	17	66	0	69	162	58	81	14			
PHYSICAL SCIENCES		0	0	0	0	4	0	5	9	4	71	2			
MATHEMATICAL SCIENCES		0	0	0	1	3	0	5	9	2	61	1			
LIFE SCIENCES		0	10	0	5	40	0	34	89	35	311	3			
PSYCHOLOGY		0	0	0	3	4	0	9	16	4	161	5			
SOCIAL SCIENCES		0	0	0	8	15	0	16	39	13	21	3			
GEORGE PEABODY COLLEGE FOR TEACHERS															
GEORGE PEABODY COLLEGE FOR TEACHERS	TOTAL, ALL AREAS	0	28	0	5	9	0	39	81	4	38	3			
+ PSYCHOLOGY		0	28	0	5	9	0	39	81	4	38	3			
MEHARRY MEDICAL COLLEGE															
MEHARRY MEDICAL COLLEGE	TOTAL, ALL AREAS	13	3	3	0	8	17	6	50	21	0	0			
LIFE SCIENCES		13	3	3	0	8	17	6	50	21	0	0			
MEMPHIS STATE UNIVERSITY															
MEMPHIS STATE UNIVERSITY	TOTAL, ALL AREAS	1	0	0	7	216	36	146	406	148	363	170			
ENGINEERING		0	0	0	0	14	0	10	24	12	91	49			
PHYSICAL SCIENCES		0	0	0	0	30	0	0	30	6	1	0			
ENVIRONMENTAL SCIENCES		0	0	0	0	5	3	7	15	9	0	0			
MATHEMATICAL SCIENCES		0	0	0	0	38	0	6	44	20	46	33			
LIFE SCIENCES		1	0	0	2	60	71	73	143	49	33	10			
PSYCHOLOGY		0	0	0	1	35	26	12	74	25	43	8			
SOCIAL SCIENCES		0	0	0	4	34	0	38	76	27	149	70			
TENNESSEE TECHNOLOGICAL UNIVERSITY															
TENNESSEE TECHNOLOGICAL UNIVERSITY	TOTAL, ALL AREAS	0	0	0	0	71	14	3	88	43	71	26			
ENGINEERING		0	0	0	0	50	21	2	54	28	40	20			
PHYSICAL SCIENCES		0	0	0	0	6	0	0	6	2	1	1			
MATHEMATICAL SCIENCES		0	0	0	0	3	0	1	4	2	3	2			
LIFE SCIENCES		0	0	0	0	12	12	0	24	11	27	3			
UNIVERSITY OF TENNESSEE AT KNOXVILLE															
UNIVERSITY OF TENNESSEE AT KNOXVILLE	TOTAL, ALL AREAS	45	45	23	201	778	266	829	2,187	793	986	324			

TABLE B-6. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978  
CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUPPORTED STUDENTS				FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME
		OHEN	OTHER	NIM	INSTI-TU-AL OTHER	ALL OTHER	SUP-PORTED	TOTAL	FULL TIME	FIRST-YEAR FULL TIME	FIRST-YEAR PART TIME			
TENNESSEE, CONTINUED	UNIVERSITY OF TENNESSEE AT KNOXVILLE	0	0	61	61	114	107	80	368	119	513	158		
ENGINEERING		0	0	6	18	72	7	14	117	34	11	3		
PHYSICAL SCIENCES		0	0	0	0	28	1	36	65	31	10	0		
ENVIRONMENTAL SCIENCES		0	0	0	7	70	0	55	132	53	49	37		
MATHEMATICAL SCIENCES		0	0	0	1	10	116	37	83	268	71	62		
LIFE SCIENCES		41	18	7	52	227	49	257	651	241	117	27		
PSYCHOLOGY		4	17	1	10	116	37	83	268	71	62	11		
SOCIAL SCIENCES		0	10	3	53	151	65	304	586	244	224	88		
UNIVERSITY OF TENNESSEE CTR HLTH SCIENCE														
TOTAL, ALL AREAS		13	22	1	1	44	9	17	107	39	29	16		
LIFE SCIENCES		13	22	1	1	44	9	17	107	39	29	16		
VANDERBILT UNIVERSITY														
TOTAL, ALL AREAS		80	64	13	31	240	84	112	604	195	19	5		
ENGINEERING		0	0	3	2	37	12	7	61	20	23	1		
PHYSICAL SCIENCES		4	0	5	1	39	3	2	54	14	31	0		
ENVIRONMENTAL SCIENCES		0	0	0	0	11	17	13	41	21	3	2		
MATHEMATICAL SCIENCES		0	0	0	0	36	11	12	49	14	2	2		
LIFE SCIENCES		73	22	51	2	31	11	31	175	56	91	0		
PSYCHOLOGY		11	22	0	4	23	0	5	65	23	0	0		
SOCIAL SCIENCES		2	0	0	22	63	40	32	159	47	0	0		
TEXAS														
TOTAL, ALL AREAS		311	345	312	840	5,207	1,260	4,411	12,686	4,235	6,712	2,241		
ENGINEERING		19	10	105	295	832	303	657	2,221	779	2,006	746		
PHYSICAL SCIENCES		25	8	72	109	716	305	99	1,334	362	164	42		
ENVIRONMENTAL SCIENCES		0	40	61	106	347	52	236	842	263	352	94		
MATHEMATICAL SCIENCES		3	0	20	52	487	101	465	1,037	359	724	272		
LIFE SCIENCES		232	133	44	138	1,460	303	1,339	3,649	1,264	2,012	697		
PSYCHOLOGY		21	61	1	57	439	146	644	1,369	384	406	79		
SOCIAL SCIENCES		11	93	9	83	926	141	971	2,234	824	1,048	311		
BAYLOR COLLEGE OF DENTISTRY														
TOTAL, ALL AREAS		0	0	0	0	0	0	0	0	0	0	0		
BAYLOR COLLEGE OF MEDICINE														
TOTAL, ALL AREAS		41	0	2	1	42	21	7	114	35	1	0		
LIFE SCIENCES		41	0	2	1	42	21	7	114	35	1	0		
BAYLOR UNIVERSITY														
TOTAL, ALL AREAS		0	5	0	4	79	35	44	187	91	23	7		
PHYSICAL SCIENCES		0	0	0	0	17	15	0	32	7	5	0		
ENVIRONMENTAL SCIENCES		0	0	0	2	131	11	13	29	14	2	2		
MATHEMATICAL SCIENCES		0	0	0	0	31	0	0	3	1	0	0		
LIFE SCIENCES		0	5	0	2	231	4	23	57	40	7	2		
PSYCHOLOGY		0	0	0	0	71	29	0	36	9	0	0		
SOCIAL SCIENCES		0	0	0	0	16	6	8	30	20	6	3		
EAST TEXAS STATE UNIVERSITY														
TOTAL, ALL AREAS		0	0	0	0	72	14	205	291	139	347	156		
PHYSICAL SCIENCES		0	0	0	0	14	7	3	24	10	121	2		
ENVIRONMENTAL SCIENCES		0	0	0	0	31	0	6	9	3	31	0		
MATHEMATICAL SCIENCES		0	0	0	0	17	0	157	174	84	180	80		
LIFE SCIENCES		0	0	0	0	7	7	15	29	13	78	42		
PSYCHOLOGY		0	0	0	0	11	0	11	22	12	30	20		
SOCIAL SCIENCES		0	0	0	0	20	0	13	33	17	36	12		
LAHAR UNIVERSITY														
TOTAL, ALL AREAS		0	0	0	3	15	0	27	45	16	47	12		
ENGINEERING		0	0	0	1	5	0	14	20	7	12	2		
PHYSICAL SCIENCES		0	0	0	1	4	0	1	6	3	4	3		
LIFE SCIENCES		0	0	0	1	3	0	1	5	1	6	1		
PSYCHOLOGY		0	0	0	0	3	0	11	14	5	25	6		
NORTH TEXAS STATE UNIVERSITY														
TOTAL, ALL AREAS		5	5	1	15	219	33	146	424	130	258	70		
PHYSICAL SCIENCES		2	0	0	4	56	26	7	95	8	2			
MATHEMATICAL SCIENCES		0	0	0	0	37	0	30	67	24	43	11		
LIFE SCIENCES		2	0	1	5	47	1	8	64	11	29	10		
PSYCHOLOGY		0	5	0	6	42	0	21	74	18	40	3		
SOCIAL SCIENCES		1	0	0	0	37	6	80	124	52	138	44		
RICE UNIVERSITY														
TOTAL, ALL AREAS		21	9	50	47	178	105	134	544	154	18	10		
ENGINEERING		6	0	17	10	42	22	61	158	45	12	9		
PHYSICAL SCIENCES		1	0	18	27	39	38	3	126	38	0	0		
ENVIRONMENTAL SCIENCES		0	2	6	8	17	13	5	51	15	2	0		
MATHEMATICAL SCIENCES		0	0	4	0	23	61	21	54	22	2	1		
LIFE SCIENCES		14	6	4	0	23	16	6	69	14	0	0		
PSYCHOLOGY		0	0	1	1	7	6	6	21	7	0	0		
SOCIAL SCIENCES		0	1	0	1	27	4	32	65	13	2	0		
SAM HOUSTON STATE UNIVERSITY														
TOTAL, ALL AREAS		0	0	2	1	38	40	228	309	127	105	51		
PHYSICAL SCIENCES		0	0	0	0	7	6	1	14	7	11	0		
MATHEMATICAL SCIENCES		0	0	0	0	5	0	2	7	21	16	19		
LIFE SCIENCES		0	0	2	1	9	22	26	60	36	39	20		
* SOCIAL SCIENCES		0	0	0	0	17	12	199	228	82	49	16		
SOUTHERN METHODIST UNIVERSITY														
TOTAL, ALL AREAS		0	15	6	27	144	23	112	327	134	475	347		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUPPORTED			FIRST-YEAR FULL-TIME	TOTAL PART-TIME	FIRST-YEAR PART-TIME
		DHEW NIH DHEW	OTHER DHEW	NSF	INSTI-TU- TUTIONAL SUPPORT	ALL OTHER SUPPORT	OUTSIDE STUDENTS	SUPERVISED PORTERS	TOTAL TIME	FIRST YEAR TIME	FIRST YEAR TIME	TOTAL TIME	FIRST YEAR TIME	FIRST YEAR TIME
TEXAS, CONTINUED	SOUTHERN METHODIST UNIVERSITY													
	ENGINEERING	0	0	2	14	17	5	53	91	44	345	263		
	PHYSICAL SCIENCES	0	1	0	0	6	4	1	12	5	3	3		
	ENVIRONMENTAL SCIENCES	0	3	1	6	8	1	4	23	6	7	5		
	MATHEMATICAL SCIENCES	0	0	0	7	40	1	8	56	18	84	60		
	LIFE SCIENCES	0	10	0	0	8	0	7	25	17	7	4		
	PSYCHOLOGY	0	0	0	0	10	0	17	27	13	81	33		
	SOCIAL SCIENCES	0	1	3	0	55	12	22	93	31	21	9		
STEPHEN F. AUSTIN STATE UNIVERSITY	TOTAL, ALL AREAS	0	0	2	11	102	13	214	342	148	66	16		
	PHYSICAL SCIENCES	0	0	0	0	9	1	0	101	8	19	2		
	ENVIRONMENTAL SCIENCES	0	0	0	0	12	0	4	16	7	21	0		
	MATHEMATICAL SCIENCES	0	0	0	0	14	0	79	90	60	61	2		
	LIFE SCIENCES	0	0	2	11	42	6	85	146	43	20	4		
	PSYCHOLOGY	0	0	0	0	18	6	41	65	22	9	4		
	SOCIAL SCIENCES	0	0	0	0	10	0	5	15	8	15	4		
TEXAS A & M UNIVERSITY	TOTAL, ALL AREAS	6	10	63	184	1,203	239	737	2,442	699	621	93		
	ENGINEERING	0	4	7	61	186	95	136	489	166	139	33		
	PHYSICAL SCIENCES	3	4	9	8	179	22	11	236	51	36	3		
	ENVIRONMENTAL SCIENCES	0	0	40	76	81	12	37	246	75	32	2		
	MATHEMATICAL SCIENCES	0	0	1	6	58	0	5	70	11	51	0		
	LIFE SCIENCES	3	2	6	26	504	77	336	954	257	262	41		
	PSYCHOLOGY	0	0	0	0	39	0	199	188	47	87	8		
	SOCIAL SCIENCES	0	0	0	7	156	33	63	259	92	60	6		
TEXAS CHRISTIAN UNIVERSITY	TOTAL, ALL AREAS	2	1	1	0	96	27	0	127	45	5	0		
* PHYSICAL SCIENCES	2	0	1	0	9	21	0	33	11	0	0	0		
* ENVIRONMENTAL SCIENCES	0	0	0	0	1	5	0	16	7	0	0	0		
* MATHEMATICAL SCIENCES	0	0	0	0	10	0	0	10	4	0	0	0		
* LIFE SCIENCES	0	0	0	0	19	1	0	20	4	5	0	0		
* PSYCHOLOGY	0	0	0	0	24	0	0	24	8	0	0	0		
* SOCIAL SCIENCES	0	1	0	0	23	0	0	24	11	0	0	0		
TEXAS COLLEGE OF OSTEOPATHIC MEDICINE	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
TEXAS TECH UNIVERSITY	TOTAL, ALL AREAS	8	8	22	107	334	79	169	727	282	156	38		
	ENGINEERING	5	2	14	61	48	11	22	163	70	19	0		
	PHYSICAL SCIENCES	2	0	3	3	31	23	2	64	21	7	0		
	ENVIRONMENTAL SCIENCES	0	0	1	11	13	9	6	30	14	6	1		
	MATHEMATICAL SCIENCES	0	0	1	2	39	0	2	44	18	11	5		
	LIFE SCIENCES	1	0	3	20	139	19	55	233	86	52	17		
	PSYCHOLOGY	0	3	0	11	26	15	43	98	36	21	0		
	SOCIAL SCIENCES	0	3	0	9	42	2	39	95	37	40	15		
TEXAS WOMAN'S UNIVERSITY	TOTAL, ALL AREAS	2	29	2	0	92	14	519	658	328	1,141	403		
	PHYSICAL SCIENCES	0	1	2	0	9	0	7	19	5	41	1		
	MATHEMATICAL SCIENCES	0	0	0	0	0	1	1	21	0	5	2		
	LIFE SCIENCES	2	28	0	0	65	13	369	477	271	1,017	381		
	PSYCHOLOGY	0	0	0	0	12	0	125	137	46	87	16		
	SOCIAL SCIENCES	0	0	0	0	6	0	17	23	6	28	3		
UNIV OF TEXAS AT ARLINGTON	TOTAL, ALL AREAS	0	19	0	33	416	18	291	777	327	871	282		
	ENGINEERING	0	0	0	0	87	21	114	203	79	221	71		
	PHYSICAL SCIENCES	0	1	0	0	21	0	7	29	11	36	19		
	ENVIRONMENTAL SCIENCES	0	4	0	0	12	0	1	17	8	46	20		
	MATHEMATICAL SCIENCES	0	0	0	0	44	0	33	77	32	110	33		
	LIFE SCIENCES	0	5	0	0	21	0	8	34	14	105	38		
	PSYCHOLOGY	0	0	0	0	27	0	10	37	8	25	5		
	SOCIAL SCIENCES	0	9	0	33	204	16	118	380	175	328	96		
UNIV OF TEXAS AT AUSTIN	TOTAL, ALL AREAS	80	145	102	276	1,170	407	828	3,008	874	588	79		
	ENGINEERING	8	4	30	112	269	141	97	661	243	271	23		
	PHYSICAL SCIENCES	15	1	36	53	211	108	21	445	108	11	1		
	ENVIRONMENTAL SCIENCES	0	5	1	0	84	51	82	177	53	0	0		
	MATHEMATICAL SCIENCES	0	0	13	36	115	21	94	260	45	36	12		
	LIFE SCIENCES	42	26	16	15	151	35	113	398	133	79	23		
	PSYCHOLOGY	5	43	0	32	117	70	146	413	91	50	4		
	SOCIAL SCIENCES	10	66	6	28	223	46	275	654	201	141	16		
UNIV OF TEXAS AT DALLAS	TOTAL, ALL AREAS	14	0	14	12	175	4	216	435	115	837	312		
	ENGINEERING	0	0	0	0	35	0	115	150	45	527	216		
	PHYSICAL SCIENCES	0	0	0	5	24	1	114	41	9	13	5		
	ENVIRONMENTAL SCIENCES	0	0	12	6	48	0	34	90	16	112	25		
	MATHEMATICAL SCIENCES	0	0	1	0	24	0	78	331	101	124	33		
	LIFE SCIENCES	14	0	1	0	29	31	44	91	25	31	13		
	PSYCHOLOGY	0	0	0	1	19	0	14	30	10	30	20		
UNIV OF TEXAS AT EL PASO	TOTAL, ALL AREAS	71	121	11	221	1261	241	921	2861	1261	2271	961		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS: 1978

- CONTINUED

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF-SUPPORTED STUDENTS	TOTAL FULL TIME	FIRST-YEAR FULL TIME	TOTAL PART TIME	FIRST-YEAR PART TIME	
		DHEW	NIH	OTHER	INST TU	ALL FEDERAL SUPPORT	OTHER NATIONAL SUPPORT	OUTSIDE SUPPORT						
TEXAS, CONTINUED	UNIV OF TEXAS AT EL PASO	0	0	0	5	38	6	12	61	29	64	22		
	ENGINEERING	0	0	1	0	19	6	5	31	12	6	0		
	PHYSICAL SCIENCES	0	0	0	51	19	51	21	50	131	14	0		
	ENVIRONMENTAL SCIENCES	0	0	0	0	9	0	0	9	5	6	6		
	MATHEMATICAL SCIENCES	0	0	0	0	21	1	29	64	33	58	22		
	LIFE SCIENCES	6	0	0	7	21	1	29	64	33	58	22		
	PSYCHOLOGY	1	0	0	5	8	5	8	27	17	17	10		
	SOCIAL SCIENCES	0	12	0	0	14	11	17	44	17	62	36		
UNIV OF TEXAS CANCER CENTER	TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
UNIV OF TEXAS HLTH SCI CTR AT DALLAS	TOTAL, ALL AREAS	57	11	51	3	83	21	22	202	491	26	1		
	ENGINEERING	0	0	0	0	1	0	1	2	0	0	0		
	MATHEMATICAL SCIENCES	3	0	0	1	6	0	0	10	31	2	0		
	LIFE SCIENCES	54	11	51	2	76	21	21	190	46	24	1		
UNIV OF TEXAS HLTH SCI CTR AT HOUSTON	TOTAL, ALL AREAS	24	40	11	34	30	20	58	207	601	451	11		
	ENVIRONMENTAL SCIENCES	0	26	0	1	51	1	18	51	211	151	61		
	LIFE SCIENCES	24	14	11	33	25	19	40	156	39	30	7		
UNIV OF TEXAS HLTH SCI CTR SAN ANTONIO	TOTAL, ALL AREAS	10	16	0	2	71	2	44	145	551	85	42		
	ENGINEERING	0	0	0	0	3	0	1	4	0	1	0		
	LIFE SCIENCES	10	16	0	2	68	2	43	141	551	84	42		
UNIV OF TEXAS MED BRANCH AT GALVESTON	TOTAL, ALL AREAS	9	9	0	0	71	21	24	134	251	13	4		
	LIFE SCIENCES	9	9	0	0	71	21	24	134	25	13	4		
UNIVERSITY OF DALLAS	TOTAL, ALL AREAS	0	0	0	0	21	0	4	25	131	10	0		
	PSYCHOLOGY	0	0	0	0	14	0	4	18	9	7	0		
	SOCIAL SCIENCES	0	0	0	0	7	0	0	7	4	3	0		
UNIVERSITY OF HOUSTON	TOTAL, ALL AREAS	25	11	38	58	428	80	290	930	2631	747	211		
	ENGINEERING	0	0	35	31	101	21	311	219	511	395	107		
	PHYSICAL SCIENCES	0	0	2	8	61	27	19	117	31	4	1		
	ENVIRONMENTAL SCIENCES	0	0	0	1	21	0	15	37	111	100	35		
	MATHEMATICAL SCIENCES	0	0	0	0	46	0	25	71	20	94	12		
	LIFE SCIENCES	10	1	11	12	71	14	79	168	66	65	25		
	PSYCHOLOGY	15	10	0	2	74	15	52	168	36	0	0		
	SOCIAL SCIENCES	0	0	0	4	54	3	69	130	48	89	91		
UTAH	TOTAL, ALL AREAS	142	126	78	274	931	267	923	2,741	9451	841	184		
	ENGINEERING	29	33	30	92	98	82	172	531	1971	205	29		
	PHYSICAL SCIENCES	17	1	19	27	150	10	17	241	70	26	8		
	ENVIRONMENTAL SCIENCES	0	0	10	53	39	12	54	168	48	42	3		
	MATHEMATICAL SCIENCES	0	0	0	6	6	99	30	23	164	60	51	30	
	LIFE SCIENCES	100	63	11	51	274	63	169	731	2721	223	54		
	PSYCHOLOGY	0	22	2	14	119	8	121	266	71	51	0		
	SOCIAL SCIENCES	1	7	0	31	152	62	367	620	227	243	60		
BRIGHAM YOUNG UNIVERSITY	TOTAL, ALL AREAS	1	0	3	44	369	58	253	728	282	182	17		
	ENGINEERING	0	0	1	31	36	23	45	136	54	38	1		
	PHYSICAL SCIENCES	1	0	2	4	40	1	4	52	21	5	1		
	ENVIRONMENTAL SCIENCES	0	0	0	0	18	5	5	28	16	4	0		
	MATHEMATICAL SCIENCES	0	0	0	1	35	20	4	60	25	14	9		
	LIFE SCIENCES	0	0	0	7	118	8	36	169	69	53	4		
	PSYCHOLOGY	0	0	0	0	63	0	78	141	40	35	0		
	SOCIAL SCIENCES	0	0	0	1	59	1	81	142	57	33	2		
UNIVERSITY OF UTAH	TOTAL, ALL AREAS	132	113	63	162	347	124	5	1,468	445	418	103		
	ENGINEERING	24	33	29	39	24	28	255	95	147	21			
	PHYSICAL SCIENCES	14	0	13	18	91	7	5	151	36	12	4		
	ENVIRONMENTAL SCIENCES	0	0	10	53	21	7	47	138	30	31	0		
	MATHEMATICAL SCIENCES	0	0	6	3	55	10	14	88	27	21	11		
	LIFE SCIENCES	93	55	3	12	68	21	71	323	99	38	17		
	PSYCHOLOGY	0	22	2	14	24	0	34	96	16	7	0		
	SOCIAL SCIENCES	1	3	0	23	64	51	275	417	1421	162	50		
UTAH STATE UNIVERSITY	TOTAL, ALL AREAS	9	13	12	68	215	65	143	545	218	241	64		
	ENGINEERING	0	0	0	22	38	31	49	140	48	20	7		
	PHYSICAL SCIENCES	2	1	4	5	19	2	5	38	13	9	3		
	ENVIRONMENTAL SCIENCES	0	0	0	0	0	0	2	2	2	7	3		
	MATHEMATICAL SCIENCES	0	0	0	2	9	0	5	16	8	16	10		
	LIFE SCIENCES	7	8	8	32	88	34	62	239	104	132	33		
	PSYCHOLOGY	0	0	0	0	32	8	9	49	15	9	0		
	SOCIAL SCIENCES	0	4	0	7	29	10	11	61	28	48	8		
VERMONT	TOTAL, ALL AREAS	25	17	21	28	171	41	59	344	153	106	34		
	ENGINEERING	0	0	0	0	9	28	1	38	93	39	16		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1978

- CONTINUED -

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- SUP- PORTED STU- DENTS	TOTAL FULL TIME	YEAR FIRST- YEAR TIME	TOTAL PART TIME	YEAR FIRST- PART TIME	
	DHEW	NIH	OTHER	INSTI- TUTIONAL SUPPORT	TU- FEDERAL SUPPORT	ALL OUTSIDE SUPPORT	OTHER SUPPORT						
VERMONT, CONTINUED													
PHYSICAL SCIENCES	3	0	1	0	30	1	2	37	114	51	2		
ENVIRONMENTAL SCIENCES	0	0	0	0	10	0	0	10	6	5	1		
MATHEMATICAL SCIENCES	1	0	0	0	18	2	2	23	13	10	9		
LIFE SCIENCES	19	11	1	23	64	8	30	156	68	26	4		
PSYCHOLOGY	2	6	0	0	30	2	9	49	7	7	1		
SOCIAL SCIENCES	0	0	0	6	10	0	15	31	15	6	1		
UNIVERSITY OF VERMONT & ST AGRIC COLLEGE													
TOTAL, ALL AREAS	25	17	2	29	171	41	59	344	153	406	34		
ENGINEERING	0	0	0	0	9	28	1	38	33	39	16		
PHYSICAL SCIENCES	3	0	1	0	30	1	2	37	11	5	2		
ENVIRONMENTAL SCIENCES	0	0	0	0	10	0	0	10	6	5	1		
MATHEMATICAL SCIENCES	1	0	0	0	18	2	2	23	13	18	9		
LIFE SCIENCES	19	11	1	23	64	8	30	156	68	26	4		
PSYCHOLOGY	2	6	0	0	30	2	9	49	7	7	1		
SOCIAL SCIENCES	0	0	0	6	10	0	15	31	15	6	1		
VIRGINIA													
TOTAL, ALL AREAS	202	193	92	493	1,728	238	1,256	4,202	1,511	1,670	667		
ENGINEERING	14	19	23	225	278	52	245	856	384	540	201		
PHYSICAL SCIENCES	12	0	26	28	225	11	20	322	102	71	18		
ENVIRONMENTAL SCIENCES	0	3	12	69	189	13	111	397	162	113	30		
MATHEMATICAL SCIENCES	0	0	2	27	165	3	63	260	104	183	56		
LIFE SCIENCES	161	135	23	105	413	107	394	1,338	394	319	81		
PSYCHOLOGY	15	0	1	6	144	12	122	300	72	49	9		
SOCIAL SCIENCES	0	36	5	33	314	40	301	729	293	403	272		
COLLEGE OF WILLIAM AND MARY													
TOTAL, ALL AREAS	0	0	10	59	85	14	34	202	69	47	15		
PHYSICAL SCIENCES	0	0	8	3	17	1	0	29	9	4	0		
ENVIRONMENTAL SCIENCES	0	0	2	45	35	7	26	115	24	8	6		
MATHEMATICAL SCIENCES	0	0	0	11	4	0	1	16	8	27	6		
LIFE SCIENCES	0	0	0	0	12	0	5	17	7	4	2		
PSYCHOLOGY	0	0	0	0	6	6	0	12	8	0	0		
SOCIAL SCIENCES	0	0	0	0	11	0	2	13	13	4	1		
EASTERN VIRGINIA MEDICAL SCHOOL													
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0		
INSTITUTE OF TEXTILE TECHNOLOGY													
TOTAL, ALL AREAS	0	0	0	0	16	0	0	16	8	0	0		
ENGINEERING	0	0	0	0	16	0	0	16	8	0	0		
OLD DOMINION UNIVERSITY													
TOTAL, ALL AREAS	1	1	4	35	133	8	137	319	23	375	119		
ENGINEERING	0	0	3	23	14	5	23	68	38	153	67		
PHYSICAL SCIENCES	1	0	0	6	26	1	42	11	23	10			
ENVIRONMENTAL SCIENCES	0	0	0	5	31	0	35	71	36	60	9		
LIFE SCIENCES	0	1	1	1	35	2	59	99	22	84	17		
PSYCHOLOGY	0	0	0	0	23	0	2	25	10	31	6		
SOCIAL SCIENCES	0	0	0	0	4	0	10	14	6	24	10		
UNIVERSITY OF VIRGINIA													
TOTAL, ALL AREAS	114	68	36	97	511	55	277	1,150	368	233	59		
ENGINEERING	13	8	6	73	96	18	107	321	145	81	43		
PHYSICAL SCIENCES	6	0	10	5	103	4	7	135	43	16	1		
ENVIRONMENTAL SCIENCES	0	0	10	7	23	1	1	42	8	0	0		
MATHEMATICAL SCIENCES	0	0	0	10	55	1	26	92	39	17	3		
LIFE SCIENCES	90	56	7	0	52	5	49	259	35	53	3		
PSYCHOLOGY	5	0	1	0	38	1	10	59	13	0	0		
SOCIAL SCIENCES	0	4	2	2	144	25	77	254	85	66	9		
VIRGINIA COMMONWEALTH UNIVERSITY													
TOTAL, ALL AREAS	74	104	3	43	210	41	426	901	323	456	302		
PHYSICAL SCIENCES	3	0	1	0	14	2	1	21	13	16	6		
MATHEMATICAL SCIENCES	0	0	0	0	8	1	1	10	5	12	4		
LIFE SCIENCES	61	72	2	17	98	25	128	403	146	117	41		
PSYCHOLOGY	10	0	0	0	32	0	95	137	17	18	3		
SOCIAL SCIENCES	0	32	0	26	58	13	201	330	142	293	248		
VIRGINIA POLYTECHNIC INST AND STATE UNIV													
TOTAL, ALL AREAS	13	20	39	259	773	120	382	1,606	620	567	172		
ENGINEERING	1	11	14	129	152	29	115	451	193	306	91		
PHYSICAL SCIENCES	2	0	7	14	65	3	4	95	26	12	1		
ENVIRONMENTAL SCIENCES	0	3	0	12	100	5	49	169	94	45	15		
MATHEMATICAL SCIENCES	0	0	2	6	98	1	35	142	52	127	43		
LIFE SCIENCES	10	6	13	87	216	75	153	560	184	61	18		
PSYCHOLOGY	0	0	0	6	45	5	15	71	29	0	0		
SOCIAL SCIENCES	0	0	3	5	97	2	11	118	47	16	4		
WASHINGTON													
TOTAL, ALL AREAS	397	374	252	425	1,314	437	1,482	4,681	1,563	1,154	253		
ENGINEERING	18	19	52	98	132	83	215	617	269	260	99		
PHYSICAL SCIENCES	15	2	52	41	177	131	37	337	81	38	18		
ENVIRONMENTAL SCIENCES	0	5	66	65	100	38	71	345	82	39	4		
MATHEMATICAL SCIENCES	4	2	12	21	123	16	60	219	75	60	19		
LIFE SCIENCES	318	246	55	177	409	213	430	1,848	63	429	62		
PSYCHOLOGY	37	15	2	6	75	27	17	179	52	32	3		
SOCIAL SCIENCES	5	85	13	36	298	47	652	1,136	373	296	48		
UNIVERSITY OF WASHINGTON													
TOTAL, ALL AREAS	375	336	213	334	702	256	1,162	3,378	1,168	992	217		

TABLE B-4. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTIONS: 1978

- CONTINUED

STATE INSTITUTION NAME AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS												PART-TIME GRADUATE STUDENTS		
	FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED			TOTAL STU- DENTS	FIRST- YEAR TIME	TOTAL PART TIME	FIRST- YEAR TIME		
	DHEW	NIH	OTHER	INSTI- TUTIONAL SUPPORT	TU- FEDERAL SUPPORT	ALL OTHER SUPPORT	SUP- PORTED	OUTSIDE SUPPORT	STU- DENTS						
WASHINGTON, CONTINUED															
UNIVERSITY OF WASHINGTON															
ENGINEERING	18	19	42	73	64	56	485	457	218	245	98				
PHYSICAL SCIENCES	8	0	40	29	114	71	34	232	53	33	171				
* ENVIRONMENTAL SCIENCES	0	0	66	54	57	21	50	248	50	30	31				
MATHEMATICAL SCIENCES	4	2	9	21	77	10	33	137	47	51	151				
LIFE SCIENCES	304	245	44	150	171	125	300	1,339	476	364	39				
PSYCHOLOGY	36	0	2	6	44	20	1	109	25	26	1				
SOCIAL SCIENCES	5	70	10	20	175	47	559	856	299	243	44				
WASHINGTON STATE UNIVERSITY															
TOTAL; ALL AREAS	22	38	39	91	612	181	320	1,303	395	162	36				
ENGINEERING	0	0	10	25	68	27	30	160	51	15	11				
PHYSICAL SCIENCES	7	2	12	12	63	6	3	105	28	5	11				
ENVIRONMENTAL SCIENCES	0	5	0	11	43	17	21	97	32	9	11				
MATHEMATICAL SCIENCES	0	0	3	0	46	6	27	82	28	9	4				
LIFE SCIENCES	14	1	11	27	238	88	130	509	155	65	23				
PSYCHOLOGY	1	15	0	0	31	7	16	70	27	6	21				
SOCIAL SCIENCES	0	15	3	16	123	30	93	280	74	53	4				
WEST VIRGINIA															
TOTAL, ALL AREAS	34	98	20	186	510	142	538	1,528	631	838	924				
ENGINEERING	2	19	9	81	50	31	90	282	140	70	26				
PHYSICAL SCIENCES	11	0	3	6	59	3	6	78	19	26	8				
ENVIRONMENTAL SCIENCES	0	0	4	15	30	5	6	60	25	17	21				
MATHEMATICAL SCIENCES	0	0	0	24	48	4	4	58	21	'25	6				
LIFE SCIENCES	31	23	4	60	199	39	150	506	184	231	64				
PSYCHOLOGY	0	18	0	2	36	33	10	99	30	22	2				
SOCIAL SCIENCES	0	38	0	20	88	27	272	445	212	447	216				
MARSHALL UNIVERSITY															
TOTAL, ALL AREAS	0	0	0	10	53	3	59	125	41	166	48				
* PHYSICAL SCIENCES	0	0	0	0	8	2	4	14	5	25	8				
* MATHEMATICAL SCIENCES	0	0	0	0	10	0	0	10	3	12	4				
* LIFE SCIENCES	0	0	0	10	19	1	25	55	18	62	21				
* PSYCHOLOGY	0	0	0	0	7	0	10	17	6	7	2				
* SOCIAL SCIENCES	0	0	0	0	9	0	20	29	9	40	13				
WEST VIRGINIA SCH OF OSTEOPATHIC MED															
TOTAL, ALL AREAS	0	0	0	0	0	0	0	0	0	0	0				
WEST VIRGINIA UNIVERSITY															
TOTAL, ALL AREAS	34	98	20	176	457	139	479	1,403	590	692	276				
ENGINEERING	2	19	9	81	50	31	90	282	140	70	26				
PHYSICAL SCIENCES	11	0	3	6	51	11	21	64	14	11	0				
ENVIRONMENTAL SCIENCES	0	0	4	15	30	5	6	60	25	17	2				
MATHEMATICAL SCIENCES	0	0	0	21	38	4	4	48	18	13	2				
LIFE SCIENCES	31	23	4	50	180	38	125	451	166	169	43				
PSYCHOLOGY	0	18	0	2	29	33	0	82	24	151	0				
SOCIAL SCIENCES	0	38	0	20	79	27	252	416	203	407	203				
WISCONSIN															
TOTAL, ALL AREAS	420	348	348	652	2,042	491	1,614	5,915	1,734	1,675	434				
ENGINEERING	15	9	66	149	282	133	260	914	324	371	87				
PHYSICAL SCIENCES	30	0	94	114	339	16	171	610	160	18	2				
ENVIRONMENTAL SCIENCES	0	4	58	78	92	13	45	290	79	13	2				
MATHEMATICAL SCIENCES	5	0	13	9	220	5	92	344	98	138	15				
LIFE SCIENCES	341	159	82	225	523	194	405	1,929	528	259	77				
PSYCHOLOGY	6	104	7	1	151	3	290	562	162	349	120				
SOCIAL SCIENCES	23	72	28	76	435	127	505	1,266	383	527	131				
INSTITUTE OF PAPER CHEMISTRY															
TOTAL, ALL AREAS	0	0	0	0	94	0	0	94	31	0	0				
ENGINEERING	0	0	0	0	27	0	0	27	11	0	0				
PHYSICAL SCIENCES	0	0	0	0	57	0	0	57	14	0	0				
LIFE SCIENCES	0	0	0	0	10	0	0	10	6	0	0				
MARQUETTE UNIVERSITY															
TOTAL, ALL AREAS	0	40	8	12	175	23	6	321	125	239	76				
ENGINEERING	0	2	9	5	39	15	10	76	22	118	39				
PHYSICAL SCIENCES	0	0	0	0	38	2	3	43	16	7	1				
MATHEMATICAL SCIENCES	0	0	0	0	111	1	0	12	5	19	3				
LIFE SCIENCES	0	38	0	7	54	3	45	147	63	68	22				
PSYCHOLOGY	0	0	0	0	12	0	3	15	9	7	4				
SOCIAL SCIENCES	0	0	0	0	21	2	5	28	10	20	7				
MEDICAL COLLEGE OF WISCONSIN															
TOTAL, ALL AREAS	12	0	2	2	26	5	22	69	20	10	4				
LIFE SCIENCES	12	0	2	2	26	5	22	69	20	104	4				
UNIVERSITY OF WISCONSIN - MADISON															
TOTAL, ALL AREAS	400	251	3161	600	1,396	439	1,112	4,514	1,204	616	108				
ENGINEERING	15	7	51	136	168	113	145	635	213	67	9				
PHYSICAL SCIENCES	30	0	89	100	186	9	9	423	108	0	0				
ENVIRONMENTAL SCIENCES	0	4	53	75	68	12	44	256	65	13	2				
MATHEMATICAL SCIENCES	5	0	13	9	182	4	88	301	88	115	8				
* LIFE SCIENCES	329	111	79	211	382	181	297	1,490	384	107	32				
PSYCHOLOGY	4	77	6	0	97	3	239	46	109	122	35				
SOCIAL SCIENCES	17	52	25	69	313	117	290	883	17	192	22				
UNIVERSITY OF WISCONSIN - MILWAUKEE															
TOTAL, ALL AREAS	8	57	25	38	351	24	414	917	359	810	246				

TABLE B-9. GRADUATE ENROLLMENT SUMMARIZED BY AREA OF SCIENCE WITHIN STATE AND INSTITUTION: 1970

CONTINUED.

STATE	INSTITUTION NAME	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS		
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF-SUP- PORTED				FIRST- YEAR FULL TIME	TOTAL PART TIME	FIRST- YEAR PART TIME
		DHEN	NIH	OTHER	OTHGR	TU- FEDERAL	OTHER SUPPORT	ALL SUPPORT	OUTSIDE STU- DENTS	FULL TIME				
WISCONSIN, CONTINUED	UNIVERSITY OF WISCONSIN - MILWAUKEE	01	01	10	8	48	5	105	176	78	186	99	99	99
ENGINEERING		01	01	3	34	58	5	53	87	224	111	111	111	111
PHYSICAL SCIENCES		01	01	5	3	24	11	11	34	141	01	01	01	01
ENVIRONMENTAL SCIENCES		01	01	5	3	24	11	11	34	141	01	01	01	01
MATHEMATICAL SCIENCES		01	01	40	0	27	0	4	31	51	44	44	44	44
LIFE SCIENCES		01	10	1	5	24	5	5	41	113	55	70	19	19
PSYCHOLOGY		21	27	1	1	42	0	48	121	120	81	81	81	81
SOCIAL SCIENCES		61	20	3	7	101	8	210	355	136	102	102	102	102
WYOMING	TOTAL, ALL AREAS	91	27	36	88	274	33	133	600	227	14	14	14	14
ENGINEERING		01	71	0	201	40	6	7	80	34	5	5	5	5
PHYSICAL SCIENCES		21	40	3	10	44	0	5	64	22	14	14	14	14
ENVIRONMENTAL SCIENCES		01	01	23	8	18	0	2	51	18	19	19	19	19
MATHEMATICAL SCIENCES		01	1	0	3	35	4	2	45	20	8	8	8	8
LIFE SCIENCES		01	19	6	27	79	17	98	246	87	30	6	6	6
PSYCHOLOGY		61	0	3	3	16	0	0	28	8	1	1	1	1
SOCIAL SCIENCES		11	0	1	17	42	6	19	86	38	6	6	6	6
UNIVERSITY OF WYOMING	TOTAL, ALL AREAS	91	27	70	88	274	33	123	600	227	78	14	14	14
ENGINEERING		01	71	0	201	40	6	7	80	34	5	5	5	5
PHYSICAL SCIENCES		21	40	3	10	44	0	5	64	22	14	14	14	14
ENVIRONMENTAL SCIENCES		01	01	23	8	18	0	2	51	18	19	19	19	19
MATHEMATICAL SCIENCES		01	1	0	3	35	4	2	45	20	8	8	8	8
LIFE SCIENCES		01	19	6	27	79	17	98	246	87	30	6	6	6
PSYCHOLOGY		61	0	3	3	16	0	0	28	8	1	1	1	1
SOCIAL SCIENCES		11	0	1	17	42	6	19	86	38	6	6	6	6
PUERTO RICO	TOTAL, ALL AREAS	231	180	21	40	375	31	366	1,036	510	514	146	146	146
ENGINEERING		01	01	0	0	71	11	15	23	11	48	2	2	2
PHYSICAL SCIENCES		121	01	10	21	60	5	21	93	38	15	6	6	6
ENVIRONMENTAL SCIENCES		21	01	0	0	20	6	28	57	3	9	0	0	0
MATHEMATICAL SCIENCES		01	01	4	0	28	0	18	50	28	8	0	0	0
LIFE SCIENCES		91	95	4	9	74	14	142	367	180	75	14	14	14
PSYCHOLOGY		01	12	3	7	14	0	48	84	60	1	0	0	0
SOCIAL SCIENCES		01	73	0	21	152	5	113	366	210	358	124	124	124
CATHOLIC UNIVERSITY OF PUERTO RICO	TOTAL, ALL AREAS	01	01	0	0	81	0	0	8	3	0	0	0	0
* IMFE SCIENCES		01	01	0	0	81	0	0	8	3	0	0	0	0
UNIVERSITY OF PUERTO RICO MAYAGUEZ	TOTAL, ALL AREAS	54	01	21	2	70	19	72	169	30	110	14	14	14
ENGINEERING		01	01	0	0	7	11	15	23	11	48	2	2	2
PHYSICAL SCIENCES		31	01	0	0	21	11	0	25	7	14	5	5	5
ENVIRONMENTAL SCIENCES		21	01	0	1	20	96	28	57	3	9	0	0	0
MATHEMATICAL SCIENCES		01	02	0	0	3	0	44	71	3	2	0	0	0
LIFE SCIENCES		01	01	1	1	19	11	21	53	14	31	7	7	7
SOCIAL SCIENCES		01	01	0	0	0	0	4	4	2	6	0	0	0
UNIVERSITY OF PUERTO RICO - RIO PIEDRAS	TOTAL, ALL AREAS	141	85	20	30	265	9	194	617	355	362	127	127	127
PHYSICAL SCIENCES		91	01	10	21	39	4	21	66	31	11	1	1	1
MATHEMATICAL SCIENCES		01	01	4	0	25	0	14	43	25	6	0	0	0
LIFE SCIENCES		81	01	13	0	35	0	21	64	41	21	2	2	2
PSYCHOLOGY		01	12	3	7	14	0	48	84	50	1	0	0	0
* SOCIAL SCIENCES		01	73	0	21	152	5	109	360	208	352	124	124	124
UNIVERSITY OF PUERTO RICO MED SCI CAMPUS	TOTAL, ALL AREAS	91	95	01	01	40	3	100	242	122	421	51	51	51
LIFE SCIENCES		91	95	01	01	40	3	100	242	122	421	51	51	51

NOTE: DATA MARKED WITH \* INDICATE AN INCOMPLETE RESPONSE BY THE INSTITUTION WHICH WAS IMPUTED BY NSF.

DATA MARKED WITH \*\* INDICATE AN INCOMPLETE RESPONSE BY THE INSTITUTION WHICH COULD NOT BE IMPUTED BY NSF.

SOURCES: NATIONAL SCIENCE FOUNDATION

# instructions, survey instruments, and summaries

Instructions for Form 812S ..... 81

Consolidated Institutional Data Sheets and Summaries ..... 82

## summary of responses

IV-1	From 8,242 graduate departments in doctorate institutions .....	82
IV-2	From 6,431 doctorate-level departments in doctorate institutions .....	82
IV-3	From 1,811 master's-level departments in doctorate institutions .....	83
IV-4	From 5,619 graduate departments in publicly controlled doctorate institutions .....	83
IV-5	From 2,623 graduate departments in privately controlled doctorate institutions .....	84
IV-6	From 5,168 graduate departments in graduate schools .....	84
IV-7	From 3,074 graduate departments in medical schools .....	85

SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT FALL 1978

\*\* GENERAL DEFINITIONS \*\*

A GRADUATE STUDENT is defined as a student enrolled for credit in an advanced-degree program leading to a master's or Ph.D. degree in Fall 1978. M.S., D.V.M., or D.O.T.S. candidates, interns, and residents should NOT be reported UNLESS they are concurrently working for a master's or Ph.D. Individuals who already hold an M.S., D.V.M., or D.O.T.S., master's, or Ph.D. degree but who are working on ANOTHER master's or Ph.D. degree are to be counted as graduate students, either full or part time.

Graduate students performing thesis or dissertation research away from the campus at Government and contractor-owned facilities in the United States are to be included as long as they are enrolled for credit in an advanced-degree program. Students enrolled at a branch or extension center in a foreign country are to be EXCLUDED.

A graduate student, whether full- or part-time, should be reported in only one department. If any students are in interdisciplinary programs, please be sure that each student will be counted only once. If a graduate student is enrolled in an inter-institutional program, please report the student only if the degree will be granted by your institution.

**SPECIAL NOTE:** Postdoctorals are to be EXCLUDED from this abbreviated survey but will be included in the survey in odd-numbered years.

\*\* ITEM DEFINITIONS \*\*

**FULL-TIME GRADUATE STUDENTS:** columns (A) - (H). A full-time graduate student is defined as a student enrolled for credit in an advanced-degree program (not a regular staff member or a postdoctoral) who is engaged full time in training activities in his field of science; these activities may embrace any appropriate combination of study, teaching, and research, depending upon YOUR INSTITUTION'S OWN POLICY. If a department has no full-time graduate students, write "NONE" in column (H).

**SOURCES OF MAJOR SUPPORT:** columns (A) - (G). Report the number of full-time graduate students in the appropriate column according to the source of the largest portion of their support. In determining the source of major support, consider only tuition and other academic expenses. If a graduate student receives stipend support from more than one source, choose the MAJOR category of support.

**FEDERAL SOURCES:** columns (A) - (D). Report the number of full-time graduate students in the appropriate column where they receive the largest portion of their support. Full-time graduate students receiving the largest portion of their support from Federal Government LOANS should be reported as SELF-SUPPORTED, column (G).

**Department of Health, Education, and Welfare (DHEW), columns (A) and (B):** Report full-time graduate students receiving support from the institutes or divisions of the NATIONAL INSTITUTES OF HEALTH (NIH) under column (A); support from all other components of DHEW should be reported under column (B), as indicated in the next column.

National Institutes of Health (Report in Column A):  
 Division of Research Resources  
 Fogarty International Center  
 National Cancer Institute  
 National Eye Institute  
 National Heart, Lung, and Blood Institute  
 National Institute on Aging  
 National Institute of Allergy and Infectious Diseases  
 National Institute of Arthritis, Metabolism, and Digestive Diseases  
 National Institute of Child Health and Human Development  
 National Institute of Dental Research  
 National Institute of Environmental Health Sciences  
 National Institute of General Medical Sciences  
 National Institute of Neurological and Communicative Disorders and Stroke  
 Other DHEW (Report in Column B):  
 Alcohol, Drug Abuse, and Mental Health Administration  
 (including National Institute of Mental Health)  
 Center for Disease Control  
 Food and Drug Administration  
 Health Resources Administration  
 Health Services Administration  
 National Institute of Education  
 Office of Education  
 Social and Rehabilitation Service

**NONFEDERAL SUPPORT:** columns (E) and (F):  
**INSTITUTIONAL SUPPORT:** column (E): Report full-time graduate students receiving support from your own institution and State and local governments. Funds given to a university by the FEDERAL GOVERNMENT, such as training grant funds, should be reported under the appropriate Federal agency, NOT reported as INSTITUTIONAL SUPPORT.

**OTHER OUTSIDE SUPPORT:** column (F): Report full-time graduate students receiving support from nonprofit institutions, private industry, and all other U.S. sources, as well as any non-U.S. sources.

**SELF-SUPPORT:** column (G): Include full-time graduate students whose major source of support is derived from loans from any source and from personal or family financial contributions. Full-time graduate students receiving the largest portion of their support from federal loans should be reported here. PLEASE BE SURE THAT ALL SELF-SUPPORTED STUDENTS ARE INCLUDED.

**PART-TIME GRADUATE STUDENTS:** columns (J) and (K): A part-time graduate student is defined as a student who is enrolled in an advanced-degree program who is NOT pursuing graduate work full time as defined above. Report the TOTAL number of part-time graduate students in column (J); if a department has no part-time graduate students, write "NONE" in column (J).

**FIRST-YEAR STUDENTS:** columns (I) and (K): A FIRST-YEAR graduate student is defined as one who will have completed LESS THAN A FULL YEAR of graduate study as of the beginning of the fall term in 1978 in the program in which he is enrolled for a degree. All other graduate students should be considered beyond their first year. Of the total in column (H), report the number of first-year full-time graduate students in column (I). Similarly, of the total in column (J), report the number of first-year part-time graduate students in column (K).

FIELDS OF SCIENCE

This form is being mailed to all institutions of higher education in the United States that confer the doctorate as the highest degree granted in the sciences and/or engineering. Please be sure that the completed form includes all graduate-level departments in your institution represented by the following fields.

**ENGINEERING:**

Aeronautical  
Agricultural  
Architectural  
Biomedical  
Chemical  
Civil  
Electrical  
Engineering sciences  
Industrial  
Mechanical  
Metallurgical and materials  
Mining  
Nuclear  
Petroleum  
Other engineering

**PHYSICAL SCIENCES:**

Astronomy  
Chemistry  
Physics  
Other physical sciences

**ENVIRONMENTAL SCIENCES:**

Atmospheric sciences  
Geosciences  
Oceanography  
Other environmental sciences

**MATHEMATICAL SCIENCES:**

Applied mathematics and computer sciences  
Mathematics  
Statistics

**LIFE SCIENCES:**

Agricultural sciences  
Biological sciences  
Anatomy  
Biochemistry  
Biology  
Biometry and biostatistics  
Biophysics  
Botany  
Cell biology  
Ecology  
Entomology and parasitology  
Genetics  
Microbiology  
Nutrition  
Pathology  
Pharmacology  
Physiology  
Zoology  
Other biosciences

**HEALTH SCIENCES:**

Anesthesiology  
Cardiology  
Clinical medicine  
Clinical pharmacology  
Dental sciences  
Endocrinology  
Gastroenterology  
Hematology  
Neurology  
Nursing  
Obstetrics and gynecology  
Ophthalmology  
Otorhinolaryngology  
Pediatrics  
Pharmaceutical sciences  
Preventive medicine, community, and public health  
Psychiatry  
Pulmonary disease  
Radiology  
Speech pathology and audiology  
Surgery  
Veterinary sciences  
Other health related sciences

**PSYCHOLOGY:**

Clinical psychology  
Experimental psychology  
Human development  
Physiological psychology  
Social psychology  
Other psychology

**SOCIAL SCIENCES:**

Agricultural economics  
Anthropology  
Economics (except agricultural)  
Geography  
History and philosophy of science  
Linguistics  
Political science  
Public administration  
Social work  
Sociology  
Urban planning  
Other social sciences

PLEASE EXCLUDE FROM YOUR RESPONSE ALL GRADUATE DEPARTMENTS IN THE FIELDS OF EDUCATION, LAW, HUMANITIES, MUSIC, THE ARTS, PHYSICAL EDUCATION, LIBRARY SCIENCE, AND ALL OTHER NONSCIENCE FIELDS.

(See also other side.)

TABLE IV-1  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978  
SUMMARY OF RESPONSES FROM  
ALL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- PORTED DENTS	TOTAL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME	
		DHEW	OTHER	NIH	OTHER	TU- TIONAL	OUTSIDE STU- DENTS						
8,242	ALL AREAS OF SCIENCE	10,983	10,824	9,024	20,542	80,123	19,259	66,833	217,588	74,696	94,394	32,023	
1,020	ENGINEERING	544	516	2,342	7,223	10,496	5,322	10,686	37,129	14,601	29,074	10,741	
519	PHYSICAL SCIENCES	1,278	130	2,803	2,801	11,814	1,346	1,479	21,651	5,776	3,386	1,003	
286	ENVIRONMENTAL SCIENCES	31	202	1,250	1,628	3,445	848	2,320	9,724	3,110	2,145	476	
413	MATHEMATICAL SCIENCES	114	41	531	621	7,987	819	3,593	13,706	4,828	7,927	3,136	
4,508	LIFE SCIENCES	7,586	6,201	1,368	4,504	21,504	5,717	18,217	65,097	22,619	20,174	6,982	
314	PSYCHOLOGY	1,081	1,041	222	799	7,425	1,574	7,735	20,677	5,529	7,243	1,543	
1,182	SOCIAL SCIENCES	349	1,893	508	2,966	17,452	3,633	22,803	49,604	18,233	24,445	8,142	

TABLE IV-2  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978  
SUMMARY OF RESPONSES FROM  
ALL DOCTORATE-LEVEL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- PORTED DENTS	TOTAL TIME	FIRST YEAR FULL TIME	TOTAL PART TIME	FIRST YEAR PART TIME	
		DHEW	OTHER	NIH	OTHER	TU- TIONAL	OUTSIDE STU- DENTS						
6,431	ALL AREAS OF SCIENCE	10,750	7,148	8,096	18,159	69,965	17,379	51,381	183,638	58,326	62,225	18,059	
763	ENGINEERING	530	471	2,304	6,671	9,456	5,022	9,270	33,724	12,995	20,581	7,012	
399	PHYSICAL SCIENCES	1,266	128	2,791	2,783	11,127	1,317	1,324	20,736	5,370	2,534	624	
210	ENVIRONMENTAL SCIENCES	31	189	1,207	1,527	2,746	729	1,921	8,350	2,455	1,555	285	
276	MATHEMATICAL SCIENCES	112	41	517	515	9,027	695	2,536	11,443	3,720	5,100	1,865	
3,836	LIFE SCIENCES	7,410	3,366	1,336	3,755	18,682	4,973	12,913	52,435	16,519	11,902	3,427	
238	PSYCHOLOGY	1,073	1,773	214	767	6,752	1,521	6,903	19,003	4,682	6,170	1,084	
709	SOCIAL SCIENCES	328	1,180	987	2,141	14,175	3,122	16,514	37,947	12,585	14,383	3,762	

TABLE IV-3  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM  
ALL MASTER'S-LEVEL DEPARTMENTS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- SUP- PORDED			FIRST YEAR TOTAL	FIRST YEAR TOTAL
		DHEW	OTHER	NIH DHEW NSF	INSTI- TU- TIONAL FEDERAL	ALL OTHER SUPPORT	OUTSIDE SUPPORT	STU- DENTS	FULL TIME	FIRST YEAR TOTAL			
1,811	ALL AREAS OF SCIENCE	233	3,676	168	2,383	10,158	4,880	15,452	33,950	16,370	32,169	13,964	
257	ENGINEERING	14	45	38	552	1,040	300	1,416	3,405	1,606	8,493	3,729	
120	PHYSICAL SCIENCES	12	2	12	18	687	29	155	915	406	852	379	
76	ENVIRONMENTAL SCIENCES	0	13	43	101	699	119	399	1,374	655	590	191	
137	MATHEMATICAL SCIENCES	2	0	14	106	960	124	1,057	2,263	1,108	2,827	1,271	
672	LIFE SCIENCES	176	2,835	32	749	2,822	744	5,304	12,662	6,100	8,272	3,555	
76	PSYCHOLOGY	48	68	8	32	673	53	832	1,674	847	1,073	459	
473	SOCIAL SCIENCES	21	713	21	825	3,277	511	6,289	11,657	3,648	10,062	4,380	

TABLE IV-4  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM  
ALL PUBLIC DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES			NON-FEDERAL SOURCES				SELF- SUP- PORDED			FIRST YEAR TOTAL	FIRST YEAR TOTAL
		DHEW	OTHER	NIH DHEW NSF	INSTI- TU- TITIONAL FEDERAL	ALL OTHER SUPPORT	OUTSIDE SUPPORT	STU- DENTS	FULL TIME	FIRST YEAR TOTAL			
15,619	ALL AREAS OF SCIENCE	6,686	7,850	5,599	15,244	61,145	13,049	47,304	156,877	53,874	55,680	18,027	
731	ENGINEERING	263	400	1,375	5,000	7,591	3,317	7,654	25,400	9,896	14,007	4,625	
345	PHYSICAL SCIENCES	769	108	1,720	1,857	8,737	861	1,153	15,205	4,081	2,039	520	
217	ENVIRONMENTAL SCIENCES	29	173	861	1,269	2,824	642	1,885	7,673	2,499	1,775	315	
283	MATHEMATICAL SCIENCES	93	31	240	399	6,323	435	3,074	10,595	3,747	4,881	1,819	
13,023	LIFE SCIENCES	4,723	4,463	1,002	4,007	17,707	4,740	14,498	51,140	17,608	14,034	4,621	
196	PSYCHOLOGY	615	1,243	137	558	5,429	1,145	3,872	12,999	3,422	3,313	648	
824	SOCIAL SCIENCES	194	1,432	269	2,164	12,534	2,109	15,168	33,865	12,621	15,631	5,479	

TABLE IV-5  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978SUMMARY OF RESPONSES FROM  
ALL PRIVATE DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS												PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES				SELF- SUP- PORTED	TOTAL	FIRST YEAR FULL TIME	TOTAL	FIRST YEAR PART TIME	
		DHEW	OTHER	NIH	DHEW	NSF	OTHER	TIONAL FEDERAL	OUTSIDE SUPPORT						
2,623	ALL AREAS OF SCIENCE	4,297	2,974	3,429	5,298	18,978	6,210	19,529	60,711	20,822	38,714	13,996			
289	ENGINEERING	281	116	967	2,223	2,909	2,205	3,032	11,729	4,705	15,067	6,116			
174	PHYSICAL SCIENCES	509	22	1,083	944	3,077	485	326	6,446	1,695	1,347	483			
69	ENVIRONMENTAL SCIENCES	2	29	389	369	621	206	435	2,051	611	370	161			
130	MATHEMATICAL SCIENCES	21	10	291	222	1,664	384	519	3,111	1,081	3,066	1,317			
1,485	LIFE SCIENCES	2,863	1,738	366	497	3,797	977	3,719	13,957	5,011	6,140	2,361			
118	PSYCHOLOGY	466	59	85	234	1,996	429	3,863	7,678	2,107	3,930	895			
358	SOCIAL SCIENCES	1551	961	244	8021	9,918	1,924	7,635	15,739	5,612	8,814	2,663			

TABLE IV-6  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978.SUMMARY OF RESPONSES FROM  
ALL GRADUATE SCHOOLS AT DOCTORATE-GRANTING INSTITUTIONS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS												PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES				NON-FEDERAL SOURCES				SELF- SUP- PORTED	TOTAL	FIRST YEAR FULL TIME	TOTAL	FIRST YEAR PART TIME	
		DHEW	OTHER	NIH	DHEW	NSF	OTHER	TIONAL FEDERAL	OUTSIDE SUPPORT						
15,168	ALL AREAS OF SCIENCE	7,182	9,190	8,825	19,995	76,088	18,215	62,634	202,129	69,582	91,056	30,748			
1,008	ENGINEERING	516	510	2,342	7,222	10,671	5,320	10,637	37,018	14,567	29,049	10,737			
519	PHYSICAL SCIENCES	1,270	130	2,803	2,801	11,814	1,346	1,479	21,651	5,776	3,386	1,003			
284	ENVIRONMENTAL SCIENCES	311	164	1,250	1,621	3,440	843	2,270	9,619	3,068	2,115	470			
409	MATHEMATICAL SCIENCES	101	39	531	620	7,979	818	3,590	13,678	4,820	7,921	3,136			
1,473	LIFE SCIENCES	3,852	4,660	1,171	3,966	17,544	4,692	14,347	50,232	17,702	16,901	5,717			
302	PSYCHOLOGY	1,058	1,809	221	.799	7,397	1,563	7,537	20,384	5,425	7,240	1,543			
1,173	SOCIAL SCIENCES	3461	1,878	5071	2,966	17,443	3,633	22,774	49,547	18,229	24,444	8,142			

TABLE IV-7  
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1978

SUMMARY OF RESPONSES FROM  
ALL MEDICAL SCHOOLS

NO. OF DEPTS	AREA OF SCIENCE	FULL-TIME GRADUATE STUDENTS										PART-TIME GRADUATE STUDENTS	
		FEDERAL SOURCES			NON-FEDERAL SOURCES			SELF- SUP- PORT				FIRST YEAR TIME	TOTAL PART TIME
		DHEW	NIH	OTHER	INSTI- TUTIONAL SUPPORT	ALL OTHER SUPPORT	OUTSIDE STUDY SUPPORT	FEDERAL	PORTION	TOTAL	FULL TIME		
		OMSH	NSF	OTHER	OTHER	STUDY SUPPORT	OUTSIDE STUDY SUPPORT	OTHER	PORTION	TOTAL	FULL TIME		
3,074	ALL AREAS OF SCIENCE	3,801	1,634	199	547	4,035	1,044	4,199	15,459	5,114	3,338	1,275	
12	ENGINEERING	28	6	0	1	25	21	49	111	34	25	4	
0	PHYSICAL SCIENCES	0	0	0	0	0	0	0	0	0	0	0	
2	ENVIRONMENTAL SCIENCES	0	38	0	7	51	51	50	105	42	30	6	
4	MATHEMATICAL SCIENCES	13	2	0	1	8	1	3	28	8	6	0	
3,035	LIFE SCIENCES	3,736	1,591	197	538	3,960	1,025	3,870	14,865	4,917	3,273	1,265	
12	PSYCHOLOGY	23	32	1	0	28	11	198	293	104	3	0	
91	SOCIAL SCIENCES	1	31	151	11	01	91	01	291	571	91	11	01