

Board of Governors for Higher Education  
Department of Higher Education  
State of Connecticut



## **Degrees and Certificates Conferred by Connecticut Institutions of Higher Education 1998-99**

### **Highlights**

- Connecticut colleges and universities awarded a total of 29,697 degrees and certificates in 1998-99, up 3.9% over the previous year. This growth reflects both an increase in reporting, particularly of certificates, and an actual increase in recipients, as well as the first-time inclusion of data from Gibbs College. Excluding the latter, the annual increase is 2.7% to 29,276 degrees and certificates.
- Significant increases occurred in master's (up 6.0%), bachelor's (up 2.4%), associate's (up 3.4%) and less-than-one-year certificates (up 74.2%). The increase in less-than-one-year certificates reflects a change in reporting from Gibbs College and an actual increase in the number of recipients (without Gibbs College's data, total less-than-one-year certificates rose 6.7% over last year).
- Decreases occurred in first-professional degrees (down 4.4%), doctorates (down 8.3%), and greater-than-one-year certificates (down 44.9%). Certificates in this category have typically been less than one percent of total degrees and certificates granted in any given year.
- Minorities, again, earned more degrees (4,288) in 1998-99 than in any previous recording period. This is an increase of 11.6% over last year, with most growth in degrees occurring at the Master's level.
- Public colleges and universities granted 14,819 degrees and certificates, up 1.1% from a year ago. Independent institutions granted 14,878 degrees and certificates, up 7.4% from the previous year. This includes the addition of degree and certificate data from Gibbs College to the count (421 degrees and certificates). Not including the data from Gibbs, the total for independent colleges and universities increased 4.4%.
- The five most popular disciplines in which degrees and certificates were awarded were: Business Management and Administrative Services (5,677), Health Professions and Related Sciences (3,209), Education (3,170), Social Sciences and History (2,712), and Liberal Arts and Sciences, General Studies and Humanities (2,427).

## Introduction

This report provides information about the 26,697 degrees and certificates granted between July 1, 1998 and June 30, 1999 by Connecticut colleges and universities, as well as the gender and race or ethnicity of the recipients. The data also break into academic disciplines following the Classification of Instructional Programs (CIP). The data for this report were provided to the Department by each college and university, and aggregated and analyzed by the Department. More detail about the degrees can be obtained on the Department's Web site ([www.ctdhe.commnet.edu](http://www.ctdhe.commnet.edu)).

## Overview

Connecticut colleges and universities awarded 29,697\* degrees and certificates in 1998-99, an increase of 1,118 (3.9%) over the previous year. This increase represents both an increase in reporting and an actual increase in recipients. This is particularly true in the case of certificate programs; degrees such as associate's, bachelor's, master's, and doctorates have not changed greatly. In one year, for example, total less-than-one year certificates increased from 565 to nearly 1,000, an increase of 74% in one year. This, however, is largely driven by the addition of one college, Gibbs, to the report. Without Gibbs' certificates, the total increased 6.7%. Bachelor's degrees, the largest single degree level, increased 2%, from 14,102 to 14,447.

Table 1 provides the breakdown of degrees and certificates conferred by public and independent institutions. In 1998-99 public colleges and universities awarded 49.9% of all degrees and certificates. The proportion of degrees and certificates granted by the public institutions has been dropping since 1993-94, reflecting state enrollment patterns.

Table 1A  
Total Degrees and Certificates Granted in Connecticut  
Public and Independent Institutions  
1988-89 to 1998-99

|                                 | 1988-89       | 1989-90       | 1990-91       | 1991-92       | 1992-93       | 1993-94       | 1994-95       | 1995-96       | 1996-97       | 1997-98       | 1998-99       |
|---------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Public Institutions</b>      |               |               |               |               |               |               |               |               |               |               |               |
| Certificates <1 Yr              | 225           | 182           | 118           | 215           | 263           | 326           | 441           | 510           | 499           | 532           | 585           |
| Certificates >1 Yr              | 154           | 185           | 246           | 235           | 215           | 279           | 274           | 241           | 252           | 190           | 96            |
| Associate's                     | 3,550         | 3,626         | 3,659         | 3,998         | 4,164         | 4,256         | 4,009         | 3,915         | 3,885         | 3,547         | 3,700         |
| Bachelor's                      | 6,966         | 7,254         | 7,706         | 8,116         | 8,229         | 7,502         | 7,554         | 7,201         | 7,031         | 6,896         | 6,881         |
| Master's                        | 2,601         | 2,604         | 2,549         | 2,749         | 2,700         | 2,764         | 2,653         | 2,773         | 2,979         | 2,937         | 3,034         |
| Doctoral                        | 198           | 217           | 228           | 206           | 216           | 246           | 265           | 239           | 254           | 253           | 227           |
| First-Professional              | 323           | 313           | 336           | 321           | 282           | 302           | 310           | 312           | 324           | 307           | 296           |
| <b>TOTAL</b>                    | <b>14,017</b> | <b>14,381</b> | <b>14,842</b> | <b>15,840</b> | <b>16,069</b> | <b>15,675</b> | <b>15,506</b> | <b>15,191</b> | <b>15,224</b> | <b>14,662</b> | <b>14,819</b> |
| <b>Independent Institutions</b> |               |               |               |               |               |               |               |               |               |               |               |
| Certificates <1 Yr              | -             | 21            | 38            | 44            | 64            | 24            | 41            | 34            | 43            | 33            | 399           |
| Certificates >1 Yr              | 40            | 19            | 21            | 16            | 28            | 47            | 29            | 38            | 30            | 17            | 18            |
| Associate's                     | 1,192         | 1,116         | 1,201         | 1,052         | 1,034         | 958           | 807           | 874           | 957           | 953           | 954           |
| Bachelor's                      | 6,720         | 7,081         | 7,130         | 7,094         | 6,920         | 6,650         | 6,604         | 6,613         | 6,915         | 7,206         | 7,566         |
| Master's                        | 4,051         | 4,334         | 4,431         | 4,548         | 4,547         | 4,542         | 4,500         | 4,828         | 4,646         | 4,633         | 4,990         |
| Doctoral                        | 355           | 355           | 382           | 398           | 414           | 400           | 442           | 437           | 413           | 433           | 402           |
| First-Professional              | 597           | 643           | 644           | 575           | 601           | 542           | 610           | 609           | 631           | 577           | 549           |
| <b>TOTAL</b>                    | <b>12,955</b> | <b>13,569</b> | <b>13,847</b> | <b>13,727</b> | <b>13,608</b> | <b>13,120</b> | <b>13,033</b> | <b>13,433</b> | <b>13,635</b> | <b>13,852</b> | <b>14,878</b> |

Table 1B  
Total Degrees and Certificates Granted in Connecticut  
All Institutions  
1988-89 to 1998-99

|                         | 1988-89       | 1989-90       | 1990-91       | 1991-92       | 1992-93       | 1993-94       | 1994-95       | 1995-96       | 1996-97       | 1997-98       | 1998-99       |
|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>All Institutions</b> |               |               |               |               |               |               |               |               |               |               |               |
| Certificates <1 Yr      | 225           | 203           | 156           | 259           | 327           | 350           | 482           | 544           | 542           | 565           | 984           |
| Certificates >1 Yr      | 194           | 204           | 267           | 251           | 243           | 326           | 303           | 279           | 282           | 207           | 114           |
| Associate's             | 4,742         | 4,742         | 4,860         | 5,050         | 5,198         | 5,171         | 4,816         | 4,789         | 4,842         | 4,500         | 4,654         |
| Bachelor's              | 13,686        | 14,335        | 14,836        | 15,210        | 15,149        | 14,152        | 14,158        | 13,814        | 13,946        | 14,102        | 14,447        |
| Master's                | 6,652         | 6,938         | 6,980         | 7,297         | 7,247         | 7,306         | 7,153         | 7,601         | 7,625         | 7,570         | 8,024         |
| Doctoral                | 553           | 572           | 610           | 604           | 630           | 646           | 707           | 676           | 667           | 686           | 629           |
| First-Professional      | 920           | 956           | 980           | 896           | 883           | 844           | 920           | 921           | 955           | 884           | 845           |
| <b>GRAND TOTAL</b>      | <b>26,972</b> | <b>27,950</b> | <b>28,689</b> | <b>29,567</b> | <b>29,677</b> | <b>28,795</b> | <b>28,539</b> | <b>28,624</b> | <b>28,859</b> | <b>28,514</b> | <b>29,697</b> |

\*Throughout this report, totals reflect new data reported by Gibbs College.

As a proportion of total degrees and certificates granted, bachelor's represent slightly less than half, 48.6%. This is down from a year ago, when bachelor's degrees represented 49.5% of all degrees and certificates granted. Master's degrees, as a proportion of total conferrals, are at a peak, representing 27% of all degrees and certificates. Associate's degrees represent 15.7%, continuing the general downward trend of the last six years. Table 2 depicts these percentages for selected years.

Table 2  
Percentage of Degrees and Certificates at Various Levels  
Selected Years  
1990-91 to 1998-99

|                    | 1990-91 | 1992-93 | 1994-95 | 1996-97 | 1998-99 |
|--------------------|---------|---------|---------|---------|---------|
| All Certificates   | 1.5%    | 1.9%    | 2.8%    | 2.9%    | 3.7%    |
| Associate's        | 16.9%   | 17.5%   | 16.9%   | 16.8%   | 15.7%   |
| Bachelor's         | 51.7%   | 51.0%   | 49.6%   | 48.3%   | 48.6%   |
| Master's           | 24.3%   | 24.4%   | 25.1%   | 26.4%   | 27.0%   |
| Doctoral           | 2.1%    | 2.1%    | 2.5%    | 2.3%    | 2.1%    |
| First-Professional | 3.4%    | 3.0%    | 3.2%    | 3.3%    | 2.8%    |

### Degrees Awarded to Minorities

Each year minority individuals earn more and more degrees and certificates in Connecticut; 1998-99 was no exception. Minorities earned 4,288 degrees or certificates in 1998-99, up 11.6% from 1997-98, as shown in Table 3. In addition, degrees conferred to minority students made up a higher proportion (14.4%) of the total than in years past. Since the 1980s progress has been real and continuous, both in terms of increasing the total number of degrees awarded to minorities and in the percentage of total degrees earned by minority students. Connecticut institutions continue to improve in recruiting minority students, retaining those minority students from semester to semester, and in preparing them for completion of their academic programs.

Table 3  
Degrees Awarded by Race and Ethnicity  
Selected Years  
1984-1985 to 1998-1999

| <b>Race/Ethnicity</b>  | <b>1984-85**</b> | <b>1990-91**</b> | <b>1997-98</b>  | <b>1998-99</b>  |
|--|------------------|------------------|-----------------|-----------------|
| Black  | 849              | 1,111            | 1,570           | 1,714           |
| Hispanic   | 455              | 623              | 1,082           | 1,226           |
| Asian  | 504              | 680              | 1,106           | 1,257           |
| American Indian  | 59               | 48               | 84              | 91              |
| <b>TOTAL, Minorities</b>   | <b>1,867</b>     | <b>2,462</b>     | <b>3,842</b>    | <b>4,288</b>    |
| White  | 24,358           | 23,740           | 21,964          | 22,346          |
| Non-Resident Aliens  | 791              | 1,346            | 1,752           | 1,802           |
| <b>TOTAL, Non-Minorities</b>   | <b>25,149</b>    | <b>25,086</b>    | <b>23,716</b>   | <b>24,148</b>   |
| <b>GRAND TOTAL</b>   | <b>27,016</b>    | <b>28,533 *</b>  | <b>28,579 *</b> | <b>29,697 *</b> |
| Minority Degrees as % of Total Degrees   | 6.9%             | 8.6%             | 13.4%           | 14.4%           |
| * Included in GRAND TOTAL are students for whom race/ethnicity was not identified. |                  |                  |                 |                 |
| ** Data for these years do not include Certificates-of-Less-Than-One-Year duration |                  |                  |                 |                 |

Comparing 1998-99 to the previous year, each ethnic group changed. Degrees conferred to Blacks were up 9.2%, to Hispanics up 13.3%, to Asians up 13.7% and to American Indians up 8.3%. Of the total degrees and certificates awarded in 1998-99, Blacks received 5.7%, Hispanics 4.1%, Asians 4.2%, and American Indians 0.3%.

This year slightly more degrees were awarded to minority students by independent institutions (50.1%) than by the publics (49.9%). Table 4 provides the break out of degrees by gender, race or ethnicity, and type of institution.

Table 4  
Total Degrees Awarded by Sector, Gender, and Race/Ethnicity  
1998-99

|                                       | Black Non-Hispanic |              | Hispanic   |            | Asian or Pacific Islander |            | American Indian or Alaskan Native |           | White Non-Hispanic |               | Non-Resident Alien |            | Other Race/Ethnicity |            | Total         |               |
|---------------------------------------|--------------------|--------------|------------|------------|---------------------------|------------|-----------------------------------|-----------|--------------------|---------------|--------------------|------------|----------------------|------------|---------------|---------------|
|                                       | M                  | F            | M          | F          | M                         | F          | M                                 | F         | M                  | F             | M                  | F          | M                    | F          | M             | F             |
| <b>PUBLIC INSTITUTIONS</b>            |                    |              |            |            |                           |            |                                   |           |                    |               |                    |            |                      |            |               |               |
| TOTAL, University of Connecticut      | 66                 | 99           | 73         | 104        | 107                       | 101        | 9                                 | 9         | 1,703              | 2,030         | 149                | 99         | 15                   | 17         | 2,122         | 2,459         |
| TOTAL, State Universities             | 85                 | 187          | 75         | 109        | 52                        | 60         | -                                 | 10        | 1,464              | 2,852         | 32                 | 28         | 219                  | 285        | 1,927         | 3,531         |
| TOTAL, Community-Technical Colleges   | 133                | 277          | 99         | 159        | 30                        | 66         | 3                                 | 9         | 1,201              | 2,095         | 30                 | 90         | 40                   | 54         | 1,536         | 2,750         |
| Charter Oak State College             | 9                  | 14           | 13         | 4          | 5                         | 7          | 2                                 | 1         | 132                | 144           | 2                  | 1          | 12                   | 10         | 175           | 181           |
| <b>TOTAL STATE INSTITUTIONS</b>       | <b>293</b>         | <b>577</b>   | <b>260</b> | <b>376</b> | <b>194</b>                | <b>234</b> | <b>14</b>                         | <b>29</b> | <b>4,500</b>       | <b>7,121</b>  | <b>213</b>         | <b>218</b> | <b>286</b>           | <b>366</b> | <b>5,760</b>  | <b>8,921</b>  |
| United States Coast Guard             | 4                  | 2            | 7          | 1          | 4                         | 3          | 2                                 | -         | 77                 | 37            | 1                  | -          | -                    | -          | 95            | 43            |
| <b>TOTAL PUBLIC INSTITUTIONS</b>      | <b>297</b>         | <b>579</b>   | <b>267</b> | <b>377</b> | <b>198</b>                | <b>237</b> | <b>16</b>                         | <b>29</b> | <b>4,577</b>       | <b>7,158</b>  | <b>214</b>         | <b>218</b> | <b>286</b>           | <b>366</b> | <b>5,855</b>  | <b>8,964</b>  |
| <b>INDEPENDENT INSTITUTIONS</b>       |                    |              |            |            |                           |            |                                   |           |                    |               |                    |            |                      |            |               |               |
| TOTAL, Four-Year National             | 114                | 169          | 115        | 122        | 251                       | 331        | 8                                 | 9         | 1,615              | 1,696         | 363                | 196        | 147                  | 155        | 2,613         | 2,678         |
| TOTAL, Four-Year Regional             | 161                | 275          | 104        | 147        | 99                        | 121        | 7                                 | 12        | 2,770              | 4,002         | 518                | 248        | 182                  | 110        | 3,841         | 4,915         |
| TOTAL, Two-Year                       | 48                 | 71           | 27         | 67         | 7                         | 13         | 4                                 | 6         | 131                | 397           | 26                 | 19         | 7                    | 8          | 250           | 581           |
| <b>TOTAL INDEPENDENT INSTITUTIONS</b> | <b>323</b>         | <b>515</b>   | <b>246</b> | <b>336</b> | <b>357</b>                | <b>465</b> | <b>19</b>                         | <b>27</b> | <b>4,516</b>       | <b>6,095</b>  | <b>907</b>         | <b>463</b> | <b>336</b>           | <b>273</b> | <b>6,704</b>  | <b>8,174</b>  |
| <b>TOTAL ALL INSTITUTIONS</b>         | <b>620</b>         | <b>1,094</b> | <b>513</b> | <b>713</b> | <b>555</b>                | <b>702</b> | <b>35</b>                         | <b>56</b> | <b>9,093</b>       | <b>13,253</b> | <b>1,121</b>       | <b>681</b> | <b>622</b>           | <b>639</b> | <b>12,559</b> | <b>17,138</b> |

For more than a decade, minority students have made significant progress by earning more and more higher-level degrees. This year the pattern changed slightly, with a small increase at the lowest levels and in master's degrees. The percentage of degrees and certificates at the bachelor's level remained essentially the same for minorities, while the percentage of doctorates and first-professional degrees decreased a bit (see Table 5). Minorities continue to trail whites in proportions of Master's and Doctoral degrees.

Table 5  
Percentage of Degrees Awarded to White and Minority Students  
At Each Degree Level (Excluding Certificates of Less Than One Year)  
Selected Years  
1982-83 to 1998-99

|                           | 1982-83     |             | 1996-97     |             | 1997-98     |             | 1998-99     |             |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                           | White       | Minority    | White       | Minority    | White       | Minority    | White       | Minority    |
| Certificate & Associate's | 23.0%       | 28.5%       | 18.3%       | 24.5%       | 17.2%       | 21.0%       | 16.3%       | 21.3%       |
| Bachelor's                | 50.4%       | 46.3%       | 50.1%       | 51.0%       | 51.7%       | 52.1%       | 51.8%       | 52.0%       |
| Master's                  | 21.7%       | 19.7%       | 26.1%       | 18.6%       | 26.0%       | 20.5%       | 27.2%       | 21.1%       |
| Doctoral                  | 1.6%        | 1.1%        | 1.9%        | 1.1%        | 1.8%        | 1.7%        | 1.7%        | 1.5%        |
| First-Professional        | <u>3.3%</u> | <u>4.4%</u> | <u>3.5%</u> | <u>4.8%</u> | <u>3.2%</u> | <u>4.7%</u> | <u>2.9%</u> | <u>4.2%</u> |
|                           | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        |

\* Data for all years excludes Certificates of Less Than One Year

Non-resident aliens or foreign students earned 1,802 degrees and certificates in 1998-99. Most such degrees were awarded by independent colleges and universities.

### Degrees Earned by Women

Women received 57.7% of all degrees awarded in 1998-99, almost the same as the year before. Women continue to be especially underrepresented among doctoral and first-professional degree recipients though there has been a small upturn in the proportion of women recipients of first professional degrees (see Table 6).

Table 6  
Proportion of Degrees Conferred to Women by Level  
Selected Years  
1979-80 to 1998-99

|         | Certificates Less Than One Year | Certificates One Year or More | Associate's | Bachelor's | Master's | Doctoral | First Professional | Total |
|---------|---------------------------------|-------------------------------|-------------|------------|----------|----------|--------------------|-------|
| 1979-80 | --                              | 61.6%                         | 59.8%       | 50.1%      | 52.4%    | 29.6%    | 27.3%              | 51.6% |
| 1984-85 | --                              | 61.3%                         | 56.3%       | 51.8%      | 51.1%    | 37.1%    | 36.2%              | 52.0% |
| 1989-90 | --                              | 59.3%                         | 62.0%       | 53.9%      | 56.6%    | 37.8%    | 41.3%              | 55.2% |
| 1994-95 | 68.5%                           | 77.9%                         | 64.8%       | 55.3%      | 57.3%    | 43.0%    | 43.2%              | 57.2% |
| 1995-96 | 65.8%                           | 76.7%                         | 66.6%       | 55.2%      | 57.6%    | 40.8%    | 40.8%              | 57.3% |
| 1996-97 | 64.6%                           | 76.2%                         | 65.2%       | 55.4%      | 58.2%    | 40.2%    | 43.4%              | 57.4% |
| 1997-98 | 65.1%                           | 76.3%                         | 65.3%       | 55.6%      | 60.0%    | 41.8%    | 43.6%              | 57.9% |
| 1998-99 | 70.0%                           | 65.8%                         | 63.4%       | 55.9%      | 58.7%    | 40.9%    | 44.6%              | 57.7% |

## Trends in Disciplines

Business Management and Administrative Services was the most popular field for the 17<sup>th</sup> consecutive year. Following this discipline, in descending order were 2) Health Professions and Related Sciences, 3) Education, 4) Social Sciences and History, and 5) Liberal Arts and Sciences, General Studies and Humanities. Health Professions and Related Sciences is again in the second spot, having fallen behind Education last year; for the seven years prior to that Health Professions and Related Sciences was second highest. Of these five disciplines, changes are as follows: 1) Business is up by 383, 2) Health is down by 127, 3) Education is up by 179, 4) Social Sciences is down by two, and 5) Liberal Arts is up by 226.

The number of degrees and certificates awarded in scientific and technical disciplines included several that increased. An outstanding increase occurred in computer and information sciences, largely because of the addition of 118 one-year certificates, 105 of which were granted by Gibbs College. Other levels increased as well in this discipline. Health and Biological Science disciplines increased also, including several increases at the graduate level. Mathematics remains a small proportion of total degrees, but it increased slightly this past year, mostly because of increases at the master's level. Decreases occurred again in Engineering and related fields, a drop of 3.1% from last year. Finally, Physical Sciences and related fields decreased to the same level as ten years ago. The change occurred mainly at the bachelor's level. Table 7 provides totals and trend data for these disciplines, and Appendix 2 provides further detail regarding degree levels.

Table 7  
Degrees Awarded in Scientific and Technical Disciplines  
Selected Years  
1988-1989 to 1998-1999

|   | 1988-1989 | 1994-1995 | 1996-1997 | 1997-1998 | 1998-1999 |
|---|-----------|-----------|-----------|-----------|-----------|
| <b>Computer &amp; Information Sciences</b>          |           |           |           |           |           |
| Number of Degrees                                   | 577       | 355       | 297       | 358       | 534       |
| Percentage of Total                                 | 2.1%      | 1.2%      | 1.0%      | 1.3%      | 1.8%      |
| <b>Engineering &amp; Related Technologies</b>       |           |           |           |           |           |
| Number of Degrees                                   | 1,933     | 1,490     | 1,371     | 1,310     | 1,269     |
| Percentage of Total                                 | 7.2%      | 5.2%      | 4.8%      | 4.6%      | 4.3%      |
| <b>Health Professions &amp; Related Sciences</b>    |           |           |           |           |           |
| Number of Degrees                                   | 1,881     | 3,068     | 3,336     | 3,074     | 3,209     |
| Percentage of Total                                 | 7.0%      | 10.8%     | 11.6%     | 10.8%     | 10.8%     |
| <b>Biological Sciences/Life Sciences</b>            |           |           |           |           |           |
| Number of Degrees                                   | 721       | 1,024     | 1,056     | 1,025     | 1,077     |
| Percentage of Total                                 | 2.7%      | 3.6%      | 3.7%      | 3.6%      | 3.6%      |
| <b>Mathematics</b>                                  |           |           |           |           |           |
| Number of Degrees                                   | 292       | 328       | 273       | 244       | 260       |
| Percentage of Total                                 | 1.1%      | 1.1%      | 0.9%      | 0.9%      | 0.9%      |
| <b>Physical Sciences &amp; Science Technologies</b> |           |           |           |           |           |
| Number of Degrees                                   | 442       | 505       | 512       | 482       | 442       |
| Percentage of Total                                 | 1.6%      | 1.8%      | 1.8%      | 1.7%      | 1.5%      |

## Summary

This year degrees and certificates increased in number and in the diversity of recipients. Recipient diversity is part of a continuing trend, with more minority individuals receiving degrees in 1997-98 than in previous years. There is still under-representation of women and minorities among degree recipients at the highest levels. The overall increase in number of awards is partly because of reporting of certificates that were not previously reported to the Department. Degrees at other levels remained about the same as last year.

Specific disciplines that were of interest include several with strong linkages to careers in high demand. Among those are computer science, where awards jumped significantly this year largely because of the addition of 118 one-year certificates, of which 105 were from a single college which was newly added to degrees and certificates reporting. Several other large disciplines with strong linkages to careers, including engineering and related technologies (two disciplines were presented in summary form) continued to drop. The largest discipline was business, continuing a lengthy trend.

Appendix 1  
Degrees and Certificates Granted by Colleges and Universities in  
Connecticut  
1998-99

|  | Certificates<br>Less Than<br>One Year | Certificates<br>One-Year Or<br>More | Associate's  | Bachelor's    | Master's     | Doctoral   | First<br>Professional | Total         |
|--|---------------------------------------|-------------------------------------|--------------|---------------|--------------|------------|-----------------------|---------------|
| <u>Public Institutions</u>                         |                                       |                                     |              |               |              |            |                       |               |
| University of Connecticut                          | -                                     | -                                   | 14           | 2,852         | 1,192        | 227        | 296                   | 4,581         |
| Storrs and Regional Campuses                       | -                                     | -                                   | 14           | 2,852         | 1,192        | 227        | 176                   | 4,461         |
| UConn Health Center                                | -                                     | -                                   | -            | -             | -            | -          | 120                   | 120           |
| Connecticut State University                       | -                                     | 1                                   | 22           | 3,593         | 1,842        | -          | -                     | 5,458         |
| Central  | -                                     | -                                   | -            | 1,230         | 461          | -          | -                     | 1,691         |
| Eastern  | -                                     | -                                   | 13           | 734           | 70           | -          | -                     | 817           |
| Southern   | -                                     | 1                                   | 2            | 1,077         | 1,128        | -          | -                     | 2,208         |
| Western  | -                                     | -                                   | 7            | 552           | 183          | -          | -                     | 742           |
| Community-Technical Colleges                       | 585                                   | 95                                  | 3,606        | -             | -            | -          | -                     | 4,286         |
| Asnuntuck  | 42                                    | -                                   | 133          | -             | -            | -          | -                     | 175           |
| Capital  | 31                                    | -                                   | 266          | -             | -            | -          | -                     | 297           |
| Gateway  | 84                                    | -                                   | 361          | -             | -            | -          | -                     | 445           |
| Housatonic   | 31                                    | 1                                   | 255          | -             | -            | -          | -                     | 287           |
| Manchester   | 76                                    | 4                                   | 661          | -             | -            | -          | -                     | 741           |
| Middlesex  | 21                                    | 3                                   | 211          | -             | -            | -          | -                     | 235           |
| Naugatuck Valley                                   | 78                                    | 4                                   | 443          | -             | -            | -          | -                     | 525           |
| Northwestern Connecticut                           | 67                                    | -                                   | 152          | -             | -            | -          | -                     | 219           |
| Norwalk  | 37                                    | 2                                   | 386          | -             | -            | -          | -                     | 425           |
| Quinebaug Valley                                   | 23                                    | 1                                   | 86           | -             | -            | -          | -                     | 110           |
| Three Rivers                                       | 3                                     | 50                                  | 472          | -             | -            | -          | -                     | 525           |
| Tunxis   | 92                                    | 30                                  | 180          | -             | -            | -          | -                     | 302           |
| Charter Oak State College                          | -                                     | -                                   | 58           | 298           | -            | -          | -                     | 356           |
| <b>TOTAL, State Institutions</b>                   | <b>585</b>                            | <b>96</b>                           | <b>3,700</b> | <b>6,743</b>  | <b>3,034</b> | <b>227</b> | <b>296</b>            | <b>14,681</b> |
| U.S. Coast Guard Academy                           | -                                     | -                                   | -            | 138           | -            | -          | -                     | 138           |
| <b>TOTAL, Public Institutions</b>                  | <b>585</b>                            | <b>96</b>                           | <b>3,700</b> | <b>6,881</b>  | <b>3,034</b> | <b>227</b> | <b>296</b>            | <b>14,819</b> |
| <u>Independent Institutions</u>                    |                                       |                                     |              |               |              |            |                       |               |
| Four-Year National                                 | -                                     | -                                   | -            | 3,051         | 1,574        | 336        | 330                   | 5,291         |
| Connecticut College                                | -                                     | -                                   | -            | 417           | 23           | -          | -                     | 440           |
| Trinity College                                    | -                                     | -                                   | -            | 504           | 26           | -          | -                     | 530           |
| Wesleyan College                                   | -                                     | -                                   | -            | 726           | 113          | 14         | -                     | 853           |
| Yale University                                    | -                                     | -                                   | -            | 1,404         | 1,412        | 322        | 330                   | 3,468         |
| Four-Year Regional                                 | 18                                    | 3                                   | 684          | 4,515         | 3,416        | 66         | 219                   | 8,921         |
| Albertus Magnus College                            | 5                                     | 3                                   | 111          | 197           | 61           | -          | -                     | 377           |
| Fairfield University                               | -                                     | -                                   | 19           | 780           | 212          | -          | -                     | 1,011         |
| Hartford Seminary Foundation                       | -                                     | -                                   | -            | -             | 11           | 7          | -                     | 18            |
| Holy Apostles College                              | -                                     | -                                   | -            | 5             | 5            | -          | 10                    | 20            |
| Lyme Academy of Fine Art                           | -                                     | -                                   | -            | 10            | -            | -          | -                     | 10            |
| Mitchell College                                   | -                                     | -                                   | 165          | -             | -            | -          | -                     | 165           |
| Paier College of Art, Inc.                         | 7                                     | -                                   | 5            | 26            | -            | -          | -                     | 38            |
| Quinnipiac College                                 | -                                     | -                                   | 7            | 883           | 195          | -          | 209                   | 1,294         |
| Rensselaer at Hartford                             | -                                     | -                                   | -            | -             | 529          | -          | -                     | 529           |
| Sacred Heart University                            | -                                     | -                                   | 74           | 613           | 466          | -          | -                     | 1,153         |
| St. Basil College                                  | -                                     | -                                   | -            | 14            | -            | -          | -                     | 14            |
| St. Joseph College                                 | -                                     | -                                   | -            | 212           | 165          | -          | -                     | 377           |
| Teikyo Post University                             | -                                     | -                                   | 57           | 240           | -            | -          | -                     | 297           |
| University of Bridgeport                           | -                                     | -                                   | 42           | 156           | 426          | 42         | -                     | 666           |
| University of Hartford                             | 6                                     | -                                   | 135          | 875           | 514          | 16         | -                     | 1,546         |
| University of New Haven                            | -                                     | -                                   | 69           | 504           | 832          | 1          | -                     | 1,406         |
| Two-Year Independent                               | 381                                   | 15                                  | 270          | -             | -            | -          | -                     | 666           |
| Briarwood College                                  | -                                     | 13                                  | 128          | -             | -            | -          | -                     | 141           |
| Gibbs College                                      | 381                                   | -                                   | 40           | -             | -            | -          | -                     | 421           |
| Goodwin College                                    | -                                     | -                                   | -            | -             | -            | -          | -                     | -             |
| International College of<br>Hospitality Management | -                                     | 2                                   | 51           | -             | -            | -          | -                     | 53            |
| St. Vincent's College                              | -                                     | -                                   | 51           | -             | -            | -          | -                     | 51            |
| <b>TOTAL, Independent Institutions</b>             | <b>399</b>                            | <b>18</b>                           | <b>954</b>   | <b>7,566</b>  | <b>4,990</b> | <b>402</b> | <b>549</b>            | <b>14,878</b> |
| <b>TOTAL, All Institutions</b>                     | <b>984</b>                            | <b>114</b>                          | <b>4,654</b> | <b>14,447</b> | <b>8,024</b> | <b>629</b> | <b>845</b>            | <b>29,697</b> |

Appendix 2  
Degrees and Certificates by Discipline and Level  
1998-99

| CIP   | Discipline  | Certificates<br>Less Than<br>One-Year | Certificates<br>One Year or<br>More | Associate's | Bachelor's | Master's | Doctoral | First<br>Professional | Total  | Rank |
|-------|---|---------------------------------------|-------------------------------------|-------------|------------|----------|----------|-----------------------|--------|------|
| 1     | Agricultural Business and Production                      | -                                     | -                                   | 14          | 19         | 6        | 1        | -                     | 40     | 33   |
| 2     | Agricultural Sciences                                     | 2                                     | -                                   | 3           | 47         | 4        | 5        | -                     | 61     | 31   |
| 3     | Conservation and Renewable Natural Resources              | -                                     | -                                   | -           | 33         | 123      | 6        | -                     | 162    | 26   |
| 4     | Architecture and Related Programs                         | 2                                     | -                                   | 2           | 62         | 58       | -        | -                     | 124    | 27   |
| 5     | Area, Ethnic, and Cultural Studies                        | -                                     | -                                   | -           | 249        | 59       | 14       | -                     | 322    | 19   |
| 8     | Marketing Operations/Marketing and Distribution           | -                                     | 1                                   | 78          | 129        | -        | -        | -                     | 208    | 24   |
| 9     | Communications  | 4                                     | -                                   | 22          | 749        | 22       | -        | -                     | 797    | 10   |
| 10    | Communications Technologies                               | 6                                     | -                                   | 26          | -          | -        | -        | -                     | 32     | 36   |
| 11    | Computer and Information Sciences                         | 118                                   | -                                   | 17          | 194        | 205      | -        | -                     | 534    | 15   |
| 12    | Personal and Miscellaneous Services                       | 6                                     | -                                   | 34          | -          | -        | -        | -                     | 40     | 34   |
| 13    | Education   | -                                     | 4                                   | 27          | 540        | 2,553    | 46       | -                     | 3,170  | 3    |
| 14    | Engineering   | -                                     | -                                   | 24          | 399        | 268      | 40       | -                     | 731    | 12   |
| 15    | Engineering-Related Technologies                          | 52                                    | 29                                  | 287         | 161        | 9        | -        | -                     | 538    | 14   |
| 16    | Foreign Languages and Literatures                         | -                                     | -                                   | -           | 191        | 70       | 34       | -                     | 295    | 20   |
| 19    | Home Economics, General                                   | -                                     | -                                   | -           | 214        | 107      | 3        | -                     | 324    | 18   |
| 20    | Vocational Home Economics                                 | 31                                    | -                                   | 207         | -          | -        | -        | -                     | 238    | 23   |
| 22    | Law and Legal Studies                                     | 12                                    | -                                   | 83          | 26         | 44       | -        | 587                   | 752    | 11   |
| 23    | English Language and Literature/Letters                   | -                                     | -                                   | -           | 778        | 88       | 21       | -                     | 887    | 9    |
| 24    | Liberal Arts and Sciences, General Studies and Humanities | -                                     | 2                                   | 1,589       | 826        | 6        | 4        | -                     | 2,427  | 5    |
| 25    | Library Science   | -                                     | 8                                   | -           | 3          | 69       | -        | -                     | 80     | 30   |
| 26    | Biological Sciences/Life Sciences                         | -                                     | -                                   | 6           | 777        | 195      | 99       | -                     | 1,077  | 8    |
| 27    | Mathematics   | -                                     | -                                   | -           | 168        | 76       | 16       | -                     | 260    | 21   |
| 30    | Multi/Interdisciplinary Studies                           | -                                     | -                                   | -           | 234        | 14       | 2        | -                     | 250    | 22   |
| 31    | Parks, Recreation, Leisure, and Fitness Studies           | 5                                     | -                                   | 28          | 48         | 8        | -        | -                     | 89     | 29   |
| 32    | Basic Skills  | 19                                    | -                                   | -           | -          | -        | -        | -                     | 19     | 39   |
| 38    | Philosophy and Religion                                   | -                                     | -                                   | -           | 136        | 28       | 14       | -                     | 178    | 25   |
| 39    | Theological Studies and Religious Vocations               | -                                     | -                                   | -           | -          | 61       | 7        | 46                    | 114    | 28   |
| 40    | Physical Sciences   | -                                     | -                                   | 4           | 236        | 97       | 79       | -                     | 416    | 17   |
| 41    | Science Technologies                                      | -                                     | -                                   | 26          | -          | -        | -        | -                     | 26     | 37   |
| 42    | Psychology  | -                                     | -                                   | -           | 1,184      | 259      | 35       | -                     | 1,478  | 6    |
| 43    | Protective Services                                       | 42                                    | -                                   | 220         | 259        | 73       | -        | -                     | 594    | 13   |
| 44    | Public Administration and Services                        | 1                                     | -                                   | 28          | 199        | 295      | -        | -                     | 523    | 16   |
| 45    | Social Sciences and History                               | 2                                     | -                                   | 2           | 2,353      | 257      | 98       | -                     | 2,712  | 4    |
| 47    | Mechanics and Repairers                                   | 13                                    | 2                                   | 7           | -          | -        | -        | -                     | 22     | 38   |
| 48    | Precision Production Trades                               | 27                                    | 1                                   | 20          | -          | -        | -        | -                     | 48     | 32   |
| 49    | Transportation and Materials Moving Workers               | -                                     | -                                   | -           | 39         | -        | -        | -                     | 39     | 35   |
| 50    | Visual and Performing Arts                                | 21                                    | 5                                   | 92          | 754        | 305      | 27       | -                     | 1,204  | 7    |
| 51    | Health Professions and Related Sciences                   | 162                                   | 45                                  | 836         | 1,213      | 679      | 62       | 212                   | 3,209  | 2    |
| 52    | Business Management and Administrative Services           | 459                                   | 17                                  | 972         | 2,227      | 1,986    | 16       | -                     | 5,677  | 1    |
| TOTAL |   | 984                                   | 114                                 | 4,654       | 14,447     | 8,024    | 629      | 845                   | 29,697 |      |

Appendix 3  
Degrees and Certificates by Level and Race/Ethnicity  
1998-1999

|   | Black Non-Hispanic | Hispanic   | Asian or Pacific Islander | American Indian or Alaska Native | White Non-Hispanic | Non-Resident Alien | Other Race/Ethnicity | Total        |
|---|--------------------|------------|---------------------------|----------------------------------|--------------------|--------------------|----------------------|--------------|
| <b>Certificates &lt; 1 Year</b>                           |                    |            |                           |                                  |                    |                    |                      |              |
| Agricultural Sciences                                     | -                  | -          | -                         | -                                | 1                  | -                  | 1                    | 2            |
| Architecture and Related Programs                         | -                  | -          | -                         | -                                | 2                  | -                  | -                    | 2            |
| Communications  | 1                  | -          | -                         | -                                | 3                  | -                  | -                    | 4            |
| Communications Technologies                               | -                  | 1          | -                         | -                                | 5                  | -                  | -                    | 6            |
| Computer and Information Sciences                         | 27                 | 26         | 5                         | -                                | 56                 | 1                  | 3                    | 118          |
| Personal and Miscellaneous Services                       | 3                  | 2          | -                         | -                                | 1                  | -                  | -                    | 6            |
| Engineering-Related Technologies                          | 1                  | 3          | 2                         | -                                | 41                 | 2                  | 3                    | 52           |
| Vocational Home Economics                                 | 6                  | 1          | -                         | -                                | 21                 | 1                  | 2                    | 31           |
| Law and Legal Studies                                     | -                  | -          | 2                         | -                                | 9                  | -                  | 1                    | 12           |
| Parks, Recreation, Leisure and Fitness Studies            | 1                  | -          | -                         | -                                | 4                  | -                  | -                    | 5            |
| Basic Skills  | -                  | 4          | 1                         | -                                | 6                  | 7                  | 1                    | 19           |
| Protective Services                                       | 4                  | 5          | -                         | 1                                | 30                 | -                  | 2                    | 42           |
| Public Administration and Services                        | -                  | -          | -                         | -                                | 1                  | -                  | -                    | 1            |
| Social Sciences and History                               | -                  | -          | -                         | -                                | 2                  | -                  | -                    | 2            |
| Mechanics and Repairers                                   | -                  | 2          | -                         | -                                | 10                 | -                  | 1                    | 13           |
| Precision Production Trades                               | 2                  | 2          | -                         | -                                | 20                 | 1                  | 2                    | 27           |
| Visual and Performing Arts                                | 2                  | 1          | 2                         | -                                | 15                 | 1                  | -                    | 21           |
| Health Professions and Related Sciences                   | 27                 | 11         | -                         | -                                | 112                | 8                  | 4                    | 162          |
| Business Management and Administrative Services           | 55                 | 49         | 15                        | 1                                | 334                | 3                  | 2                    | 459          |
| <b>Total Certificates &lt; 1 Year</b>                     | <b>129</b>         | <b>107</b> | <b>27</b>                 | <b>2</b>                         | <b>673</b>         | <b>24</b>          | <b>22</b>            | <b>984</b>   |
| <b>Certificates &gt; 1 Year</b>                           |                    |            |                           |                                  |                    |                    |                      |              |
| Marketing Operations/Marketing and Distribution           | -                  | -          | -                         | -                                | 1                  | -                  | -                    | 1            |
| Education   | -                  | -          | -                         | -                                | 4                  | -                  | -                    | 4            |
| Engineering-Related Technologies                          | 1                  | 2          | -                         | -                                | 26                 | -                  | -                    | 29           |
| Liberal Arts and Sciences, General Studies and Humanities | -                  | -          | -                         | -                                | 2                  | -                  | -                    | 2            |
| Library Science   | -                  | -          | -                         | -                                | 8                  | -                  | -                    | 8            |
| Mechanics and Repairers                                   | -                  | -          | -                         | -                                | 2                  | -                  | -                    | 2            |
| Precision Production Trades                               | -                  | -          | -                         | -                                | 1                  | -                  | -                    | 1            |
| Visual and Performing Arts                                | -                  | -          | -                         | -                                | 5                  | -                  | -                    | 5            |
| Health Professions and Related Sciences                   | 3                  | -          | -                         | 1                                | 41                 | -                  | -                    | 45           |
| Business Management and Administrative Services           | -                  | 1          | 1                         | -                                | 12                 | 2                  | 1                    | 17           |
| <b>Total Certificates &gt; 1 Year</b>                     | <b>4</b>           | <b>3</b>   | <b>1</b>                  | <b>1</b>                         | <b>102</b>         | <b>2</b>           | <b>1</b>             | <b>114</b>   |
| <b>Associate's</b>  |                    |            |                           |                                  |                    |                    |                      |              |
| Agricultural Business and Production                      | -                  | -          | 1                         | -                                | 13                 | -                  | -                    | 14           |
| Agricultural Sciences                                     | -                  | -          | -                         | -                                | 3                  | -                  | -                    | 3            |
| Architecture and Related Programs                         | -                  | -          | -                         | -                                | 1                  | 1                  | -                    | 2            |
| Marketing Operations/Marketing and Distribution           | 6                  | 7          | 3                         | -                                | 57                 | 5                  | -                    | 78           |
| Communications  | 4                  | -          | -                         | -                                | 18                 | -                  | -                    | 22           |
| Communications Technologies                               | 2                  | 2          | -                         | -                                | 22                 | -                  | -                    | 26           |
| Computer and Information Sciences                         | 4                  | 6          | 3                         | -                                | 4                  | -                  | -                    | 17           |
| Personal and Miscellaneous Services                       | 3                  | 1          | -                         | -                                | 29                 | -                  | 1                    | 34           |
| Education   | -                  | 4          | -                         | 1                                | 22                 | -                  | -                    | 27           |
| Engineering   | 1                  | 1          | 1                         | -                                | 18                 | 2                  | 1                    | 24           |
| Engineering-Related Technologies                          | 17                 | 13         | 9                         | 1                                | 236                | 6                  | 5                    | 287          |
| Vocational Home Economics                                 | 25                 | 19         | 4                         | -                                | 147                | 7                  | 5                    | 207          |
| Law and Legal Studies                                     | 10                 | 3          | 2                         | -                                | 64                 | 1                  | 3                    | 83           |
| Liberal Arts and Sciences, General Studies and Humanities | 169                | 75         | 27                        | 5                                | 1,211              | 52                 | 50                   | 1,589        |
| Biological Sciences/Life Sciences                         | -                  | -          | -                         | -                                | 5                  | -                  | 1                    | 6            |
| Parks, Recreation, Leisure and Fitness Studies            | -                  | -          | -                         | -                                | 27                 | 1                  | -                    | 28           |
| Physical Sciences   | -                  | -          | 1                         | -                                | 3                  | -                  | -                    | 4            |
| Science Technologies                                      | 1                  | 2          | 3                         | -                                | 15                 | 5                  | -                    | 26           |
| Protective Services                                       | 19                 | 20         | 2                         | 2                                | 172                | 1                  | 4                    | 220          |
| Public Administration and Services                        | 4                  | 9          | -                         | -                                | 11                 | 3                  | 1                    | 28           |
| Social Sciences and History                               | 1                  | -          | -                         | -                                | 1                  | -                  | -                    | 2            |
| Mechanics and Repairers                                   | -                  | -          | -                         | -                                | 7                  | -                  | -                    | 7            |
| Precision Production Trades                               | -                  | 1          | -                         | -                                | 18                 | 1                  | -                    | 20           |
| Visual and Performing Arts                                | 3                  | 4          | -                         | 2                                | 83                 | -                  | -                    | 92           |
| Health Professions and Related Sciences                   | 90                 | 43         | 11                        | 5                                | 656                | 20                 | 11                   | 836          |
| Business Management and Administrative Services           | 111                | 51         | 29                        | 4                                | 694                | 69                 | 14                   | 972          |
| <b>Total Associate's Degrees</b>                          | <b>470</b>         | <b>261</b> | <b>96</b>                 | <b>20</b>                        | <b>3,537</b>       | <b>174</b>         | <b>96</b>            | <b>4,654</b> |

Appendix 3 (Continued)  
Degrees and Certificates by Level and Race/Ethnicity  
1998-1999

|   | Black Non-Hispanic | Hispanic   | Asian or Pacific Islander | American Indian or Alaska Native | White Non-Hispanic | Non-Resident Alien | Other Race/Ethnicity | Total         |
|---|--------------------|------------|---------------------------|----------------------------------|--------------------|--------------------|----------------------|---------------|
| <b>Bachelor's</b>   |                    |            |                           |                                  |                    |                    |                      |               |
| Agricultural Business and Production                      | 1                  | 1          | -                         | -                                | 17                 | -                  | -                    | 19            |
| Agricultural Sciences                                     | -                  | 1          | -                         | -                                | 46                 | -                  | -                    | 47            |
| Conservation and Renewable Natural Resources              | 1                  | -          | -                         | -                                | 32                 | -                  | -                    | 33            |
| Architecture and Related Programs                         | 1                  | 8          | 7                         | 1                                | 41                 | 2                  | 2                    | 62            |
| Area, Ethnic and Cultural Studies                         | 28                 | 21         | 19                        | 1                                | 165                | 3                  | 12                   | 249           |
| Marketing Operations/Marketing and Distribution           | 3                  | 6          | 4                         | -                                | 108                | 8                  | -                    | 129           |
| Communications  | 37                 | 20         | 5                         | 1                                | 647                | 10                 | 29                   | 749           |
| Computer and Information Sciences                         | 9                  | 4          | 25                        | -                                | 121                | 28                 | 7                    | 194           |
| Education   | 13                 | 17         | 6                         | -                                | 477                | 4                  | 23                   | 540           |
| Engineering   | 18                 | 19         | 24                        | 2                                | 285                | 47                 | 4                    | 399           |
| Engineering-Related Technologies                          | 3                  | 5          | 6                         | -                                | 83                 | 30                 | 34                   | 161           |
| Foreign Languages and Literatures                         | 7                  | 24         | 10                        | -                                | 133                | 5                  | 12                   | 191           |
| Home Economics, General                                   | 9                  | 8          | 5                         | -                                | 190                | -                  | 2                    | 214           |
| Law and Legal Studies                                     | 3                  | 3          | 1                         | -                                | 19                 | -                  | -                    | 26            |
| English Language and Literature/Letters                   | 34                 | 15         | 45                        | 2                                | 639                | 6                  | 37                   | 778           |
| Liberal Arts and Sciences, General Studies and Humanities | 38                 | 32         | 25                        | 6                                | 691                | 15                 | 19                   | 826           |
| Library Science   | -                  | -          | -                         | -                                | 3                  | -                  | -                    | 3             |
| Biological Sciences/Life Sciences                         | 32                 | 29         | 84                        | 1                                | 580                | 26                 | 25                   | 777           |
| Mathematics   | 3                  | 4          | 16                        | -                                | 132                | 4                  | 9                    | 168           |
| Multi/Interdisciplinary Studies                           | 13                 | 13         | 18                        | 2                                | 151                | 19                 | 18                   | 234           |
| Parks, Recreation, Leisure and Fitness Studies            | 3                  | 2          | -                         | -                                | 43                 | -                  | -                    | 48            |
| Philosophy and Religion                                   | 4                  | 5          | 5                         | 1                                | 105                | 15                 | 1                    | 136           |
| Physical Sciences   | 9                  | 7          | 22                        | -                                | 178                | 8                  | 12                   | 236           |
| Psychology  | 89                 | 57         | 36                        | 3                                | 947                | 10                 | 42                   | 1,184         |
| Protective Services                                       | 8                  | 11         | -                         | 2                                | 232                | 2                  | 4                    | 259           |
| Public Administration and Services                        | 30                 | 17         | 2                         | 1                                | 135                | 3                  | 11                   | 199           |
| Social Sciences and History                               | 159                | 112        | 161                       | 14                               | 1,709              | 84                 | 114                  | 2,353         |
| Transportation and Materials Moving Workers               | 3                  | 1          | -                         | -                                | 7                  | 28                 | -                    | 39            |
| Visual and Performing Arts                                | 25                 | 31         | 34                        | 2                                | 612                | 25                 | 25                   | 754           |
| Health Professions and Related Sciences                   | 36                 | 27         | 61                        | 1                                | 1,029              | 8                  | 51                   | 1,213         |
| Business Management and Administrative Services           | 132                | 77         | 97                        | 4                                | 1,710              | 102                | 105                  | 2,227         |
| <b>Total Bachelor's Degrees</b>                           | <b>751</b>         | <b>577</b> | <b>718</b>                | <b>44</b>                        | <b>11,267</b>      | <b>492</b>         | <b>598</b>           | <b>14,447</b> |
| <b>Master's</b>   |                    |            |                           |                                  |                    |                    |                      |               |
| Agricultural Business and Production                      | -                  | -          | -                         | -                                | 3                  | 3                  | -                    | 6             |
| Agricultural Sciences                                     | -                  | -          | -                         | -                                | 2                  | 2                  | -                    | 4             |
| Conservation and Renewable Natural Resources              | 1                  | 2          | 6                         | -                                | 96                 | 17                 | 1                    | 123           |
| Architecture and Related Programs                         | 3                  | 1          | 8                         | -                                | 33                 | 8                  | 5                    | 58            |
| Area, Ethnic, and Cultural Studies                        | 8                  | 3          | 3                         | -                                | 34                 | 3                  | 8                    | 59            |
| Communications  | 1                  | -          | -                         | -                                | 11                 | 9                  | 1                    | 22            |
| Computer and Information Sciences                         | 1                  | 1          | 23                        | -                                | 68                 | 94                 | 18                   | 205           |
| Education   | 71                 | 54         | 18                        | 1                                | 2,269              | 40                 | 100                  | 2,553         |
| Engineering   | 6                  | 9          | 9                         | -                                | 100                | 122                | 22                   | 268           |
| Engineering-Related Technologies                          | -                  | -          | 1                         | -                                | 8                  | -                  | -                    | 9             |
| Foreign Languages and Literatures                         | 1                  | 11         | 2                         | -                                | 36                 | 16                 | 4                    | 70            |
| Home Economics, General                                   | 4                  | 2          | 3                         | 1                                | 93                 | 2                  | 2                    | 107           |
| Law and Legal Studies                                     | -                  | -          | -                         | -                                | 24                 | 19                 | 1                    | 44            |
| English Language and Literature/Letters                   | 2                  | 3          | 2                         | 1                                | 71                 | 3                  | 6                    | 88            |
| Liberal Arts and Sciences, General Studies and Humanities | -                  | -          | -                         | -                                | 6                  | -                  | -                    | 6             |
| Library Science   | 2                  | -          | -                         | -                                | 62                 | -                  | 5                    | 69            |
| Biological Sciences/Life Sciences                         | 8                  | 5          | 9                         | -                                | 145                | 16                 | 12                   | 195           |
| Mathematics   | 2                  | -          | 3                         | -                                | 40                 | 27                 | 4                    | 76            |
| Multi/Interdisciplinary Studies                           | -                  | -          | -                         | -                                | 8                  | 3                  | 3                    | 14            |
| Parks, Recreation, Leisure and Fitness Studies            | 1                  | -          | -                         | -                                | 6                  | -                  | 1                    | 8             |
| Philosophy and Religion                                   | 1                  | -          | -                         | -                                | 23                 | 2                  | 2                    | 28            |
| Theological Studies and Religious Vocations               | 2                  | 2          | 4                         | 1                                | 38                 | 10                 | 4                    | 61            |
| Physical Sciences   | 2                  | 1          | 4                         | -                                | 50                 | 33                 | 7                    | 97            |
| Psychology  | 13                 | 12         | 3                         | 3                                | 202                | 17                 | 9                    | 259           |
| Protective Services                                       | 5                  | 10         | 2                         | 1                                | 51                 | 1                  | 3                    | 73            |
| Public Administration and Services                        | 27                 | 17         | 3                         | 1                                | 208                | 34                 | 5                    | 295           |
| Social Sciences and History                               | 17                 | 14         | 7                         | 1                                | 136                | 63                 | 19                   | 257           |
| Visual and Performing Arts                                | 12                 | 13         | 35                        | -                                | 182                | 58                 | 5                    | 305           |
| Health Professions and Related Sciences                   | 18                 | 19         | 52                        | 2                                | 546                | 25                 | 17                   | 679           |
| Business Management and Administrative Services           | 83                 | 46         | 118                       | 5                                | 1,249              | 306                | 179                  | 1,986         |
| <b>Total Master's Degrees</b>                             | <b>291</b>         | <b>225</b> | <b>315</b>                | <b>17</b>                        | <b>5,800</b>       | <b>933</b>         | <b>443</b>           | <b>8,024</b>  |

Appendix 3 (Continued)  
 Degrees and Certificates by Level and Race/Ethnicity  
 1998-1999

|   | Black Non-Hispanic | Hispanic     | Asian or Pacific Islander | American Indian or Alaska Native | White Non-Hispanic | Non-Resident Alien | Other Race/Ethnicity | Total         |
|---|--------------------|--------------|---------------------------|----------------------------------|--------------------|--------------------|----------------------|---------------|
| <b><u>Doctoral</u></b>                                    |                    |              |                           |                                  |                    |                    |                      |               |
| Agricultural Business and Production                      | -                  | -            | -                         | -                                | -                  | 1                  | -                    | 1             |
| Agricultural Sciences                                     | -                  | -            | -                         | -                                | 2                  | 3                  | -                    | 5             |
| Conservation and Renewable Natural Resources              | -                  | -            | -                         | -                                | 3                  | 2                  | 1                    | 6             |
| Area, Ethnic, and Cultural Studies                        | 2                  | 1            | -                         | -                                | 9                  | -                  | 2                    | 14            |
| Education   | 2                  | 4            | -                         | -                                | 34                 | 6                  | -                    | 46            |
| Engineering   | -                  | -            | 2                         | -                                | 11                 | 26                 | 1                    | 40            |
| Foreign Languages and Literatures                         | 1                  | 2            | -                         | -                                | 17                 | 11                 | 3                    | 34            |
| Home Economics, General                                   | -                  | -            | -                         | -                                | 3                  | -                  | -                    | 3             |
| English Language and Literature/Letters                   | -                  | 2            | 1                         | -                                | 15                 | 1                  | 2                    | 21            |
| Liberal Arts and Sciences, General Studies and Humanities | -                  | -            | -                         | -                                | 4                  | -                  | -                    | 4             |
| Biological Sciences/Life Sciences                         | 1                  | 2            | 6                         | -                                | 60                 | 19                 | 11                   | 99            |
| Mathematics   | -                  | -            | -                         | -                                | 5                  | 11                 | -                    | 16            |
| Multi/Interdisciplinary Studies                           | -                  | -            | -                         | -                                | -                  | 1                  | 1                    | 2             |
| Philosophy and Religion                                   | 1                  | -            | -                         | -                                | 9                  | 1                  | 3                    | 14            |
| Theological Studies and Religious Vocations               | 1                  | -            | -                         | -                                | 6                  | -                  | -                    | 7             |
| Physical Sciences   | -                  | 1            | 3                         | -                                | 32                 | 43                 | -                    | 79            |
| Psychology  | 2                  | 2            | -                         | -                                | 27                 | 4                  | -                    | 35            |
| Social Sciences and History                               | 1                  | 4            | 6                         | 1                                | 55                 | 23                 | 8                    | 98            |
| Visual and Performing Arts                                | -                  | -            | -                         | -                                | 21                 | 3                  | 3                    | 27            |
| Health Professions and Related Sciences                   | 4                  | 1            | 2                         | 1                                | 42                 | 9                  | 3                    | 62            |
| Business Management and Administrative Services           | -                  | 4            | 1                         | 1                                | 5                  | 4                  | 1                    | 16            |
| <b>Total Doctoral Degrees</b>                             | <b>15</b>          | <b>23</b>    | <b>21</b>                 | <b>3</b>                         | <b>360</b>         | <b>168</b>         | <b>39</b>            | <b>629</b>    |
| <b><u>First-Professional</u></b>                          |                    |              |                           |                                  |                    |                    |                      |               |
| Law and Legal Studies                                     | 33                 | 22           | 47                        | 3                                | 437                | 4                  | 41                   | 587           |
| Theological Studies and Religious Vocations               | 4                  | -            | 1                         | -                                | 37                 | 4                  | -                    | 46            |
| Health Professions and Related Sciences                   | 17                 | 8            | 31                        | 1                                | 133                | 1                  | 21                   | 212           |
| <b>Total First-Professional Degrees</b>                   | <b>54</b>          | <b>30</b>    | <b>79</b>                 | <b>4</b>                         | <b>607</b>         | <b>9</b>           | <b>62</b>            | <b>845</b>    |
| <b>Grand Totals</b>                                       | <b>1,714</b>       | <b>1,226</b> | <b>1,257</b>              | <b>91</b>                        | <b>22,346</b>      | <b>1,802</b>       | <b>1,261</b>         | <b>29,697</b> |

Appendix 4  
Degrees and Certificates by Level, Discipline and Gender of Recipient  
1998-99

| <b>Discipline</b>   | <b>Men</b> | <b>Women</b> | <b>Total</b> |
|---|------------|--------------|--------------|
| <b><u>Certificates &lt; 1 Year</u></b>                    |            |              |              |
| Agricultural Sciences                                     | -          | 2            | 2            |
| Architecture And Related Programs                         | -          | 2            | 2            |
| Communications  | 1          | 3            | 4            |
| Communications Technologies                               | 4          | 2            | 6            |
| Computer and Information Sciences                         | 88         | 30           | 118          |
| Personal and Miscellaneous Services                       | 3          | 3            | 6            |
| Engineering-Related Technologies                          | 42         | 10           | 52           |
| Vocational Home Economics                                 | 8          | 23           | 31           |
| Law and Legal Studies                                     | -          | 12           | 12           |
| Parks, Recreation, Leisure, and Fitness Studies           | 1          | 4            | 5            |
| Basic Skills  | 4          | 15           | 19           |
| Protective Services                                       | 33         | 9            | 42           |
| Public Administration And Services                        | -          | 1            | 1            |
| Social Sciences and History                               | -          | 2            | 2            |
| Mechanics and Repairers                                   | 9          | 4            | 13           |
| Precision Production                                      | 15         | 12           | 27           |
| Visual and Performing Arts                                | 10         | 11           | 21           |
| Health Professions and Related Sciences                   | 25         | 137          | 162          |
| Business Management and Administrative Services           | 52         | 407          | 459          |
| <b>Total Certificates &lt; 1 Year Degrees</b>             | <b>295</b> | <b>689</b>   | <b>984</b>   |
| <b><u>Certificates &gt; 1 Year</u></b>                    |            |              |              |
| Marketing Operations/Marketing and Distribution           | -          | 1            | 1            |
| Education   | -          | 4            | 4            |
| Engineering-Related Technologies                          | 24         | 5            | 29           |
| Liberal Arts and Sciences, General Studies and Humanities | -          | 2            | 2            |
| Library Science   | 1          | 7            | 8            |
| Mechanics and Repairers                                   | 2          | -            | 2            |
| Precision Production Trades                               | 1          | -            | 1            |
| Visual and Performing Arts                                | 3          | 2            | 5            |
| Health Professions and Related Sciences                   | 3          | 42           | 45           |
| Business Management and Administrative Services           | 5          | 12           | 17           |
| <b>Total Certificates &gt; 1 Year Degrees</b>             | <b>39</b>  | <b>75</b>    | <b>114</b>   |

Appendix 4 (Continued)  
 Degrees and Certificates by Level, Discipline and Gender of Recipient  
 1998-99

| <b>Discipline</b>   | <b>Men</b>   | <b>Women</b> | <b>Total</b> |
|---|--------------|--------------|--------------|
| <b><u>Associate's</u></b>                                 |              |              |              |
| Agricultural Business and Production                      | 5            | 9            | 14           |
| Agricultural Sciences                                     | 1            | 2            | 3            |
| Architecture and Related Programs                         | -            | 2            | 2            |
| Marketing Operations/Marketing and Distribution           | 24           | 54           | 78           |
| Communications  | 8            | 14           | 22           |
| Communications Technologies                               | 21           | 5            | 26           |
| Computer and Information Sciences                         | 7            | 10           | 17           |
| Personal and Miscellaneous Services                       | 20           | 14           | 34           |
| Education   | 4            | 23           | 27           |
| Engineering   | 23           | 1            | 24           |
| Engineering-Related Technologies                          | 251          | 36           | 287          |
| Vocational Home Economics                                 | 12           | 195          | 207          |
| Law and Legal Studies                                     | 19           | 64           | 83           |
| Liberal Arts and Sciences, General Studies and Humanities | 607          | 982          | 1,589        |
| Biological Sciences/Life Sciences                         | 3            | 3            | 6            |
| Parks, Recreation, Leisure and Fitness Studies            | 14           | 14           | 28           |
| Physical Sciences   | 1            | 3            | 4            |
| Science Technologies                                      | 20           | 6            | 26           |
| Protective Services                                       | 154          | 66           | 220          |
| Public Administration and Services                        | 5            | 23           | 28           |
| Social Sciences and History                               | 2            | -            | 2            |
| Mechanics and Repairers                                   | 6            | 1            | 7            |
| Precision Production Trades                               | 16           | 4            | 20           |
| Visual and Performing Arts                                | 33           | 59           | 92           |
| Health Professions and Related Sciences                   | 123          | 713          | 836          |
| Business Management and Administrative Services           | 323          | 649          | 972          |
| <b>Total Associate's Degrees</b>                          | <b>1,702</b> | <b>2,952</b> | <b>4,654</b> |

Appendix 4 (Continued)  
 Degrees and Certificates by Level, Discipline and Gender of Recipient  
 1998-99

| Discipline  | Men          | Women        | Total         |
|---|--------------|--------------|---------------|
| <b>Bachelor's</b>   |              |              |               |
| Agricultural Business and Production                      | 11           | 8            | 19            |
| Agricultural Sciences                                     | 14           | 33           | 47            |
| Conservation and Renewable Natural Resources              | 21           | 12           | 33            |
| Architecture and Related Programs                         | 30           | 32           | 62            |
| Area, Ethnic and Cultural Studies                         | 84           | 165          | 249           |
| Marketing Operations/Marketing and Distribution           | 60           | 69           | 129           |
| Communications  | 332          | 417          | 749           |
| Computer and Information Sciences                         | 146          | 48           | 194           |
| Education   | 185          | 355          | 540           |
| Engineering   | 334          | 65           | 399           |
| Engineering-Related Technologies                          | 143          | 18           | 161           |
| Foreign Languages and Literatures                         | 67           | 124          | 191           |
| Home Economics, General                                   | 13           | 201          | 214           |
| Law and Legal Studies                                     | 4            | 22           | 26            |
| English Language and Literature/Letters                   | 267          | 511          | 778           |
| Liberal Arts and Sciences, General Studies and Humanities | 322          | 504          | 826           |
| Library Science   | -            | 3            | 3             |
| Biological Sciences/Life Sciences                         | 334          | 443          | 777           |
| Mathematics   | 90           | 78           | 168           |
| Multi/Interdisciplinary Studies                           | 113          | 121          | 234           |
| Parks, Recreation, Leisure and Fitness Studies            | 19           | 29           | 48            |
| Philosophy and Religion                                   | 92           | 44           | 136           |
| Physical Sciences   | 134          | 102          | 236           |
| Psychology  | 302          | 882          | 1,184         |
| Protective Services                                       | 184          | 75           | 259           |
| Public Administration and Services                        | 27           | 172          | 199           |
| Social Sciences and History                               | 1,253        | 1,100        | 2,353         |
| Transportation and Materials Moving Workers               | 38           | 1            | 39            |
| Visual and Performing Arts                                | 323          | 431          | 754           |
| Health Professions and Related Sciences                   | 248          | 965          | 1,213         |
| Business Management and Administrative Services           | 1,181        | 1,046        | 2,227         |
| <b>Total Bachelor's Degrees</b>                           | <b>6,371</b> | <b>8,076</b> | <b>14,447</b> |

Appendix 4 (Continued)  
 Degrees and Certificates by Level, Discipline and Gender of Recipient  
 1998-99

| Discipline  | Men          | Women        | Total        |
|---|--------------|--------------|--------------|
| <b>Master's</b>   |              |              |              |
| Agricultural Business and Production                      | 2            | 4            | 6            |
| Agricultural Sciences                                     | -            | 4            | 4            |
| Conservation and Renewable Natural Resources              | 54           | 69           | 123          |
| Architecture and Related Programs                         | 34           | 24           | 58           |
| Area, Ethnic, and Cultural Studies                        | 18           | 41           | 59           |
| Communications  | 7            | 15           | 22           |
| Computer and Information Sciences                         | 138          | 67           | 205          |
| Education   | 594          | 1,959        | 2,553        |
| Engineering   | 231          | 37           | 268          |
| Engineering-Related Technologies                          | 7            | 2            | 9            |
| Foreign Languages and Literatures                         | 29           | 41           | 70           |
| Home Economics, General                                   | 15           | 92           | 107          |
| Law and Legal Studies                                     | 23           | 21           | 44           |
| English Language and Literature/Letters                   | 31           | 57           | 88           |
| Liberal Arts and Sciences, General Studies and Humanities | 3            | 3            | 6            |
| Library Science   | 13           | 56           | 69           |
| Biological Sciences/Life Sciences                         | 95           | 100          | 195          |
| Mathematics   | 36           | 40           | 76           |
| Multi/Interdisciplinary Studies                           | 9            | 5            | 14           |
| Parks, Recreation, Leisure and Fitness Studies            | 5            | 3            | 8            |
| Philosophy and Religion                                   | 17           | 11           | 28           |
| Theological Studies and Religious Vocations               | 42           | 19           | 61           |
| Physical Sciences   | 59           | 38           | 97           |
| Psychology  | 84           | 175          | 259          |
| Protective Services                                       | 39           | 34           | 73           |
| Public Administration and Services                        | 88           | 207          | 295          |
| Social Sciences and History                               | 140          | 117          | 257          |
| Visual and Performing Arts                                | 153          | 152          | 305          |
| Health Professions and Related Sciences                   | 140          | 539          | 679          |
| Business Management and Administrative Services           | 1,206        | 780          | 1,986        |
| <b>Total Master's Degrees</b>                             | <b>3,312</b> | <b>4,712</b> | <b>8,024</b> |

Appendix 4 (Continued)  
 Degrees and Certificates by Level, Discipline and Gender of Recipient  
 1998-99

| Discipline  | Men           | Women         | Total         |
|---|---------------|---------------|---------------|
| <b>Doctoral</b>   |               |               |               |
| Agricultural Business and Production                      | 1             | -             | 1             |
| Agricultural Sciences                                     | 4             | 1             | 5             |
| Conservation and Renewable Natural Resources              | 2             | 4             | 6             |
| Area, Ethnic, and Cultural Studies                        | 4             | 10            | 14            |
| Education   | 18            | 28            | 46            |
| Engineering   | 34            | 6             | 40            |
| Foreign Languages and Literatures                         | 15            | 19            | 34            |
| Home Economics, General                                   | -             | 3             | 3             |
| English Language and Literature/Letters                   | 10            | 11            | 21            |
| Liberal Arts and Sciences, General Studies and Humanities | 2             | 2             | 4             |
| Biological Sciences/Life Sciences                         | 60            | 39            | 99            |
| Mathematics   | 10            | 6             | 16            |
| Multi/Interdisciplinary Studies                           | 1             | 1             | 2             |
| Philosophy and Religion                                   | 9             | 5             | 14            |
| Theological Studies and Religious Vocations               | 4             | 3             | 7             |
| Physical Sciences   | 58            | 21            | 79            |
| Psychology  | 14            | 21            | 35            |
| Social Sciences and History                               | 63            | 35            | 98            |
| Visual and Performing Arts                                | 16            | 11            | 27            |
| Health Professions and Related Sciences                   | 39            | 23            | 62            |
| Business Management and Administrative Services           | 8             | 8             | 16            |
| <b>Total Doctoral Degrees</b>                             | <b>372</b>    | <b>257</b>    | <b>629</b>    |
| <b>First-Professional</b>                                 |               |               |               |
| Law and Legal Studies                                     | 327           | 260           | 587           |
| Theological Studies and Religious Vocations               | 27            | 19            | 46            |
| Health Professions and Related Sciences                   | 114           | 98            | 212           |
| <b>Total First-Professional Degrees</b>                   | <b>468</b>    | <b>377</b>    | <b>845</b>    |
| <b>Grand Totals</b>                                       | <b>12,559</b> | <b>17,138</b> | <b>29,697</b> |