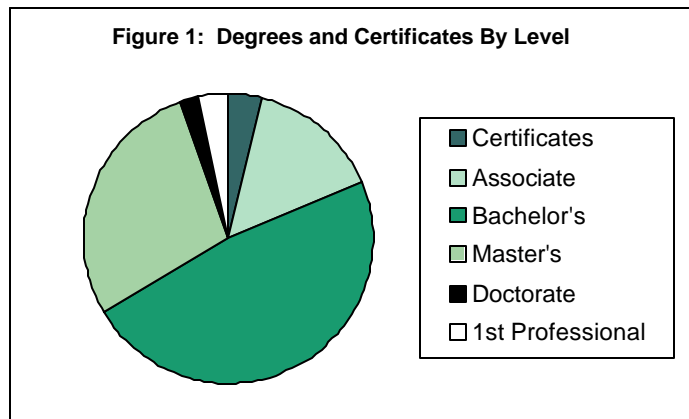




2000-01 Degrees Conferred by Connecticut Institutions Highlights

- Connecticut colleges and universities awarded 29,687 degrees and certificates in 2000-01, virtually unchanged from last year. The annual number of students earning degrees is 3.5 percent higher than a decade ago.

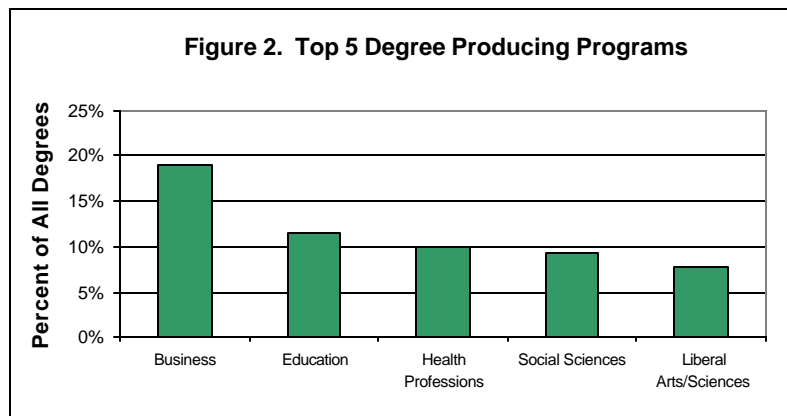
- Minority students earned more degrees in 2000-01 than in any previous year, up 4 percent to 4,621, a continuous trend for at least the last 13 years. Degrees to minorities now represent 15.6 percent of all degrees, about the same percentage as last year.



- As is the norm, almost half of the students earned degrees at the baccalaureate level (48%), followed by those with master's degrees (28%) and associate (15 %) (Figure 1).

- The top five degree-producing disciplines continue to be business, education, health professions, social sciences and liberal arts and sciences. Almost 17,000 students received degrees in these fields, accounting for over 57 percent of all awards (Figure 2).

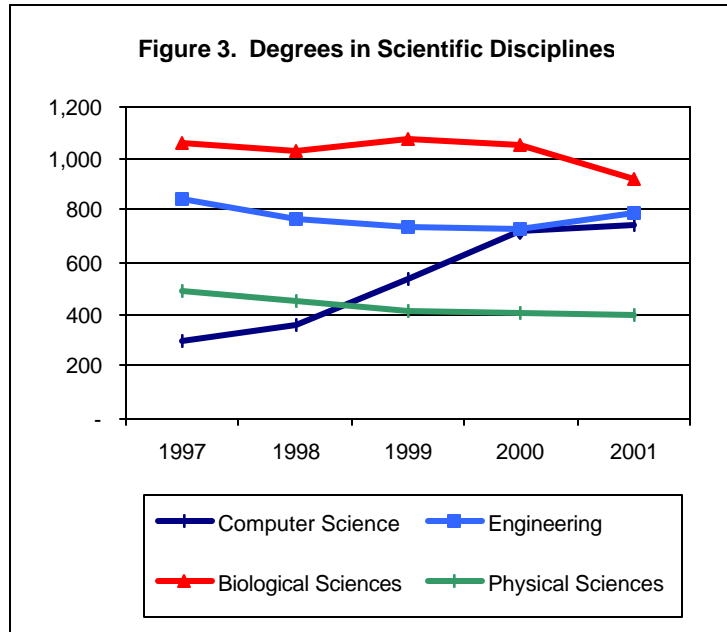
- Women continue to earn more degrees than men with 58.4 percent of all degrees, up slightly from last year's rate of 57.9 percent. However, women continue to earn fewer doctoral and first-professional degrees than their male counterparts, 746 compared to 830.



- Public colleges and universities awarded about 49 percent of all degrees for a total of 14,551. The public share of total degrees is down appreciably from the 52 percent posted 10 years ago. In contrast, independent institutions granted 15,136 degrees (51%), up over 9 percent from 1991.

- Progress on graduating more students with degrees in scientific and technical fields important to the viability of five of Connecticut’s industry “clusters” (Bioscience, Aerospace, Software/Information Technology, Metal Manufacturing and Maritime) was mixed:

⇒ While the number of degree recipients in computer science continues to grow, the rate of increase has leveled off significantly and is still far below industry demand (Figure 3).

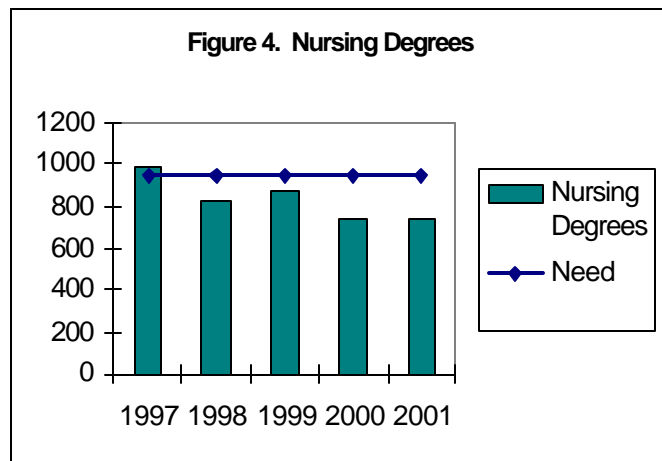


⇒ The numbers of students earning degrees in the biological sciences and physical sciences continue to dwindle, down 12 percent and 2 percent, respectively.

⇒ The number of students earning degrees in engineering, however, grew 8 percent to 784.

⇒ This year, for the first time, data on multiple majors was collected. The good news is that another 47 students graduated with a second major in biological sciences, 16 in mathematics, 15 in physical science, 12 in computer science and four in engineering. While these results temper the trends in Figure 3, Connecticut is still under-producing students with much needed credentials.

- In the allied health fields, the number of students earning degrees rose about 1 percent. However, the number of students receiving nursing (RN) and related degrees still has not rebounded, down to an annual total of just 737, a 26 percent decline from 1997 and significantly below the projected annual need for nurses of about 950 (Figure 4).



- A total of 3,300 students received certification awards in teacher preparation programs. Of those, 30 percent (991) were in elementary education, 21 percent (704) in secondary academic subject areas, 12 percent (385) in K-12 special subject areas, 12 percent (383) in special education and 10 percent (339) in pre-K-12 administration. According to the State Department of Education, the overall number of students being trained each year appears to meet expected need over the next decade, but not necessarily in needed subject areas.
- This is the first year the Department of Higher Education can report valid information on teacher preparation degrees by academic discipline. In the shortage areas identified by the State Department of Education, only 150 students received credentials in mathematics, 56 in music, 30 in remedial reading/language arts, 24 in school library media, 21 in Spanish, and 10 in technology education. (Please note these students must pass the Praxis II subject matter exam before they can obtain certification to teach.)
- Those institutions posting one-year gains of more than 10 percent in degree production include Western Connecticut State University, Middlesex Community College, the U.S. Coast Guard Academy, Albertus Magnus College, Holy Apostles College and Seminary, Paier College of Art and Goodwin College. Institutions reporting declines of that magnitude include the University of Connecticut Health Center, Capital Community College, Northwestern Community College, Tunxis Community College, Hartford Seminary, Briarwood College and St. Vincent's College.
- Looking at this year's degree production figures against recent trends suggests a number of areas in need for further attention to ensure Connecticut colleges and universities are producing adequate numbers of graduates among all population segments and in fields needed for economic well-being. In particular:
 - ⇒ More needs to be done to graduate greater numbers of minority students, particularly Hispanics who now make up more than nine percent of the state's population;
 - ⇒ A closer examination is needed of the reasons behind the decline in associate degrees, particularly among the public two-year colleges;
 - ⇒ Colleges and universities must step up efforts to recruit and retain more students in science and technology fields to ensure a qualified labor supply for Connecticut's growing industry clusters;
 - ⇒ Similarly, more concerted efforts are needed to address the nursing supply shortage; and
 - ⇒ Connecticut must strive to better align students graduating with teaching credentials in the identified shortage areas, with particular attention on ensuring student success on Praxis II exams.

Introduction

This report examines the numbers and kinds of degrees conferred by Connecticut institutions of higher education in 2000-2001, and compares those numbers to recent trends and statewide needs. These annual figures reflect the number of students who earned degrees between July 1 and June 30 of the academic year. Disciplines are categorized according to the federal Classification of Instructional Programs (CIP).

Overview

Connecticut colleges and universities awarded a total of 29,687 degrees and certificates last year, a change of less than one percent from last year's total of 29,757. A complete listing of degrees by institution and level is provided in Appendix A. Overall, the number of degrees awarded has been relatively stable over the last three years, after declining somewhat in the mid-90s. This year's total, however, is only about three percent higher than it was in 1991 (see Table 1).

Table 1
Degrees and Certificates Conferred in Connecticut by Level
Connecticut Colleges and Universities
1990-91 to 2000-01

Number	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
Certificates	423	510	570	676	785	823	824	772	1,098	1,253	1,140
Associate	4,860	5,050	5,198	5,171	4,816	4,789	4,842	4,500	4,654	4,385	4,391
Bachelor's	14,836	15,210	15,149	14,152	14,158	13,814	13,946	14,102	14,415	14,548	14,213
Master's	6,980	7,297	7,247	7,306	7,153	7,439	7,625	7,773	8,056	7,953	8,367
Doctorates	610	604	630	646	707	676	667	686	629	667	614
First-Professional	980	896	883	844	920	921	955	884	845	951	962
Total	28,689	29,567	29,677	28,795	28,539	28,462	28,859	28,717	29,697	29,757	29,687
% of Total	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
Certificates	1%	2%	2%	2%	3%	3%	3%	3%	4%	4%	4%
Associate	17%	17%	18%	18%	17%	17%	17%	16%	16%	15%	15%
Bachelor's	52%	51%	51%	49%	50%	49%	48%	49%	49%	49%	48%
Master's	24%	25%	24%	25%	25%	26%	26%	27%	27%	27%	28%
Doctorates	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
First-Professional	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Total	28,689	29,567	29,677	28,795	28,539	28,462	28,859	28,717	29,697	29,757	29,687

About half of the students earned degrees at the baccalaureate level (48%), followed by those with master's degrees (28%) and associates (15%). Although these levels have been relatively stable for the last four to five years, over the last decade there has been some shifting of degree production by level. Certificates now account for four percent of all awards, up three percent from 1990-91. Master's degrees also have grown as a percent of the total from 24 percent to 28 percent today. Conversely, bachelor's and associate degrees have declined by four and two percent, respectively, when viewed over this longer time period.

Degrees Awarded By Sector

Public colleges awarded 49 percent of all degrees for a total of 14,551. The public share of total degrees is down appreciably from the 1990-91 level of 52 percent. Independent institutions, on the other hand, granted 15,136 degrees (51%), representing an increase of three percent over that same time period (Table 2). The independent sector has been out-producing the public sector for the last three years. This reflects a decline in the number of associate degrees in the public sector, while the independent sector saw significant growth in the number of associate, master's and first-professional degrees.

Table 2
Total Degrees and Certificates by Sector
Connecticut Colleges and Universities
1990-01 to 2000-01

	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
Public Institutions											
Certificates <1 Yr	118	215	263	326	441	510	499	532	585	623	664
Certificates >1 Yr	246	235	215	279	274	241	252	190	96	23	10
Associate	3,659	3,998	4,164	4,256	4,009	3,915	3,885	3,547	3,700	3,355	3,260
Bachelor's	7,706	8,116	8,229	7,502	7,554	7,201	7,031	6,896	6,881	6,975	6,898
Master's	2,549	2,749	2,700	2,764	2,653	2,773	2,979	2,937	3,034	2,871	3,154
Doctoral	228	206	216	246	265	239	254	253	227	275	234
First-Professional	336	321	282	302	310	312	324	307	296	339	331
Subtotal	14,842	15,840	16,069	15,675	15,506	15,191	15,224	14,662	14,819	14,461	14,551
Independent Institutions											
Certificates <1 Yr	38	44	64	24	41	34	43	33	399	174	151
Certificates >1 Yr	21	16	28	47	29	38	30	17	18	433	315
Associate	1,201	1,052	1,034	915	807	874	957	953	954	1,030	1,131
Bachelor's	7,130	7,094	6,920	6,650	6,604	6,613	6,915	7,206	7,566	7,575	7,315
Master's	4,431	4,548	4,547	4,542	4,500	4,828	4,646	4,633	4,990	5,080	5,213
Doctoral	382	398	414	400	442	437	413	433	402	392	380
First-Professional	644	575	601	542	610	609	631	577	549	612	631
Subtotal	13,847	13,727	13,608	13,120	13,033	13,433	13,635	13,852	14,878	15,296	15,136
All Institutions											
Certificates <1 Yr	156	259	327	350	482	544	542	565	984	798	815
Certificates >1 Yr	267	251	243	326	303	279	282	207	114	456	325
Associate	4,860	5,050	5,198	5,171	4,816	4,789	4,842	4,500	4,654	4,385	4391
Bachelor's	14,836	15,210	15,149	14,152	14,158	13,814	13,946	14,102	14,447	14,550	14213
Master's	6,980	7,297	7,247	7,306	7,153	7,601	7,625	7,570	8,024	7,951	8367
Doctoral	610	604	630	646	707	676	667	686	629	667	614
First-Professional	980	896	883	844	920	921	955	884	845	951	962
GRAND TOTAL	28,689	29,567	29,677	28,795	28,539	28,624	28,859	28,514	29,697	29,757	29,687

Degrees Awarded to Minority Students

Minority students earned more degrees in 2000-01 than in any previous year, up four percent to 4,621. This has been a continuous trend for at least the last 13 years. Degrees to minority students now represent 15.6 percent of all degrees, up 0.6 percent from last year (Table 3). While these are impressive gains, degree production among minority students is still far below parity compared to minority population in the state's general population, estimated at 20.7 percent by the 2000 U.S. Census.

Table 3
Degrees Awarded by Race and Ethnicity
Connecticut Colleges and Universities
1991-2001

	African American	Hispanic/Latino	Asian American	American Indian	Total Minority	White	Non-Resident Alien	Unknown	Total
1990-91	1,118	631	682	49	2,480	23,877	1,347	985	28,689
1991-92	1,230	687	773	55	2,745	23,971	1,492	1,359	29,567
1992-93	1,253	814	796	54	2,917	24,078	1,469	1,213	29,677
1993-94	1,292	854	948	64	3,158	23,174	1,511	952	28,795
1994-95	1,351	892	919	71	3,233	22,734	1,545	1,027	28,539
1995-96	1,462	987	1,050	75	3,574	22,404	1,674	810	28,462
1996-97	1,548	1,041	1,078	75	3,742	22,187	1,805	1,125	28,859
1997-98	1,575	1,085	1,110	83	3,853	22,005	1,822	1,037	28,717
1998-99	1,715	1,226	1,260	91	4,292	22,356	1,802	1,262	29,712
1999-00	1,835	1,312	1,217	100	4,464	22,252	1,782	1,260	29,758
2000-01	1,867	1,454	1,184	116	4,621	21,503	1,937	1,626	29,687
1 Year Change	1.7%	10.8%	-2.7%	16.0%	3.5%	-3.4%	8.7%	29.0%	-0.2%
Change 01/91	67.0%	130.4%	73.6%	136.7%	86.3%	-9.9%	43.8%	65.1%	3.5%
Percent of Total	6.3%	4.9%	4.0%	0.4%	15.6%	72.4%	6.5%	5.5%	100.0%
US Census 2000	8.7%	9.4%	2.4%	0.2%	20.7%				

Hispanic students have seen significant gains of 130 percent in the number of degrees attained since 1991, yet they remain 4.5 percent below parity compared to their respective proportion in the general population (4.9% compared to 9.4%). Similarly, African-American students saw a growth of 67 percent over this time, but are 2.4 points below their population parity share of 8.7 percent. Both Asian-American and American Indian degree recipients are above their respective proportions in the general population.

The type of degrees earned by minority students varies markedly from white students. As shown in Table 4, minority students earn proportionately more degrees at the certificate and associate degree levels than white students (27.5% compared to 18%), and less at the baccalaureate and graduate levels (72.8% compared to 81.9%). A more complete breakdown of degrees by level and race/ethnicity categories is provided in Appendix B.

Table 4
Degrees by Minority Status and Level
Connecticut Colleges and Universities

	1996-97		1997-98		1998-99		1999-00		2000-01	
	White	Minority	White	Minority	White	Minority	White	Minority	White	Minority
Cert. & Assoc.	20.0%	26.2%	18.9%	22.9%	19.3%	26.1%	18.1%	26.8%	18.0%	27.3%
Bachelor's	49.3%	49.9%	50.5%	50.6%	50.4%	48.8%	51.4%	49.6%	51.6%	45.7%
Graduate	30.7%	23.8%	30.7%	26.5%	30.3%	25.1%	30.5%	23.6%	30.3%	27.1%

Degrees Awarded to Women

Women continue to earn more degrees than men, with a total of 17,350 (58.4%) degrees compared to 12,337. Their proportion of total degrees is up slightly from last year's level of 57.9 percent. However, women persist in earning fewer doctoral and first-professional degrees, 746 compared to 830 even though the proportion of these degrees awarded to women continues to grow (Table 5). Women also persist in earning a disproportionate share of associate degrees.

Table 5
Proportion of Degrees Conferred to Women by Level
Connecticut Colleges and Universities
Selected Years
1979-80 to 2000-01

	Certificates Less Than One Year	Certificates One Year or More	Associate	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%
1999-00	60.2%	62.1%	63.1%	56.3%	59.5%	48.0%	46.5%	57.9%
2000-01	61.1%	57.8%	64.1%	56.6%	60.5%	46.1%	48.1%	57.9%

Trends in Disciplines

The top five degree-producing disciplines continue to be business, education, health professions, social sciences, and liberal arts and sciences. Almost 17,000 students received degrees in these fields, accounting for more than 57 percent of all awards. Appendix C provides a complete listing of degrees by discipline and level.

Degree Production in Industry Clusters

The development of human capital is critical to Connecticut's economic growth and prosperity. The state has named six industry "clusters" as key components of its economy that require special attention and nurturing: *Tourism, Bioscience, Aerospace, Software/Information Technology,*

Metal Manufacturing and *Maritime*. The latter five are heavily dependent on employees with advanced scientific and technical know-how. Although it is difficult to connect degree production by discipline (supply) precisely with industry workforce needs (demand), the Department of Higher Education has been tracking several fields that are clearly linked to these cluster fields: computer science, engineering, biological sciences and physical sciences.

As shown in Table 6, progress on graduating more students with degrees in these fields has been mixed. While the number of those earning degrees in computer science continues to grow, the rate of increase has leveled off and the annual number of new awards is well below reported industry demand. Graduates with degrees in biological and physical sciences continue to dwindle, down 12.2 percent and 2.4 percent, respectively, this year alone. Since 1997, annual awards in these two fields are down more than 14 percent. On a brighter note, engineering degree recipients posted an increase of almost eight percent in 2001.

This year, for the first time, the Department of Higher Education is able to report information on multiple majors. The good news is that another 47 students graduated with a secondary major in biological sciences, 16 in math, 15 in physical science, 12 in computer science and four in engineering. While these results temper somewhat the trends shown in Table 6, Connecticut is still under-producing students with much needed scientific and mathematical credentials.

Table 6
Degrees Conferred in Scientific Disciplines
Connecticut College and Universities

	1997	1998	1999	2000	2001	1-Year Change	5-Year Change
Computer Science	297	358	534	715	738	3.2%	148.4%
Engineering	838	762	731	728	784	7.7%	(6.4%)
Biological Sciences	1,056	1,025	1,077	1,050	922	(12.2%)	(12.7%)
Physical Sciences	488	452	416	409	399	(2.4%)	(18.2%)

Allied Health and Nursing

Graduates with degrees in allied health fields, most particularly in nursing, are in high demand. Overall, the number of degrees in these fields rose about one percent last year to 2,916 (Table 7). However, since 1997, annual degree production is down 12.6 percent. According to the Connecticut Department of Labor, the expected number of annual openings for registered nurses is 947, yet the number of new nurses being produced is down to just 737, a drop of almost 26 percent since 1997.

Table 7
Degrees Conferred in Allied Health Fields
Connecticut Colleges and Universities

	1997	1998	1999	2000	2001
Allied Health*	3,336	3,074	3,209	2,889	2,916
Nursing Degrees	991	834	878	744	737

*Nursing Degrees are included within the Allied Health total and include RN Training and other nursing, but exclude post-RN degrees.

Teachers

A total of 3,300 students received certification awards in teacher preparation programs at all levels including teachers earning graduate credentials as follows:

Elementary Education	991 (30%)
Secondary Academic Subject Areas	704 (21%)
K-12 Special Subject Areas	385 (12%)
Special Education	383 (12%)
Pre-K–12 Administration	339 (10%)
Other	528 (16%)

According to recent reports by the State Department of Education (SDE), the overall number of students being trained as educators each year appears to meet the expected need over the next decade, but not in shortage subject areas.

This is the first year that the Department of Higher Education can report valid information on teacher preparation awards by academic discipline. Table 8 lists the number of students with credentials in the fields identified as shortage areas by SDE. It should be noted that not all of these students end up as certified teachers since they must first pass a subject matter test (Praxis II).

Table 8
Graduates With Credentials in Identified
Teacher Shortage Areas
Connecticut Colleges and Universities

Shortage Areas	Number of Recipients
Mathematics	150
Music	56
Remedial Reading/Lang. Arts.	30
School Library Media	24
Spanish	21
Technology Education	10

Summary

The total number of degrees remained essentially stable from last year at 29,687. Those institutions posting one-year gains of more than 10 percent include Western Connecticut State University, Middlesex Community College, the U.S. Coast Guard Academy, Albertus Magnus College, Holy Apostles College and Seminary, Paier College of Art and Goodwin College. Institutions reporting declines of that magnitude include the University of Connecticut Health Center, Capital Community College, Northwestern Community College, Tunxis Community College, Hartford Seminary, Briarwood College and St. Vincent’s College.

Looking at this year's degree production figures against recent trends suggests a number of areas in need of further attention to ensure Connecticut colleges and universities are producing graduates among all population segments and in fields needed for economic well-being. In particular:

- More needs to be done to graduate greater numbers of minority students, particularly Hispanics who now make up more than 9 percent of the state's population;
- A closer examination is needed of the reasons behind the decline in associate degrees, particularly among the public two-year colleges;
- Colleges and universities must step up efforts to recruit and retain more students in science and technology fields to ensure a qualified labor supply for Connecticut's growing industry clusters;
- Similarly, more concerted efforts are needed to address the nursing supply shortage; and
- Connecticut must strive to better align students graduating with teaching credentials in the identified shortage areas, with particular attention on ensuring student success on Praxis II exams.

Appendix A
Total Degrees by Institution
Connecticut Colleges and Universities
2000-01

	Certificates less than one year	Certificates one year or more	Associate	Bachelor's	Master's	Doctoral	First Professional	Total
Public Institutions								
University of Connecticut								
Storrs and Regional Campuses	-	-	17	2,837	1,267	234	217	4,572
UConn Health Center	-	-	-	-	-	-	114	114
UConn Total	-	-	17	2,837	1,267	234	331	4,686
Connecticut State University								
Central	-	-	-	1,186	486	-	-	1,672
Eastern	-	-	19	734	84	-	-	837
Southern	-	-	2	1,054	1,112	-	-	2,168
Western	-	-	5	606	205	-	-	816
CSU Total	-	-	26	3,580	1,887	-	-	5,493
Community Technical College System								
Asnuntuck	58	-	149	-	-	-	-	207
Capital	30	-	207	-	-	-	-	237
Gateway	106	-	312	-	-	-	-	418
Housatonic	55	-	257	-	-	-	-	312
Manchester	62	1	474	-	-	-	-	537
Middlesex	22	-	179	-	-	-	-	201
Naugatuck	70	-	398	-	-	-	-	468
Northwestern	60	-	101	-	-	-	-	161
Norwalk	39	7	370	-	-	-	-	416
Quinebaug Valley	24	2	95	-	-	-	-	121
Three Rivers	47	-	418	-	-	-	-	465
Tunxis	91	-	187	-	-	-	-	278
CTC System Total	664	10	3,147	-	-	-	-	3,821
Charter Oak State College Total	-	-	70	316	-	-	-	386
State Institutions Total	664	10	3,260	6,733	3,154	234	331	14,386
U.S. Coast Guard Academy Total	-	-	-	165	-	-	-	165
Public Institutions Total	664	10	3,260	6,898	3,154	234	331	14,551
Independent Institutions								
National Independents								
Connecticut College	-	-	-	427	24	-	-	451
Trinity College	-	-	-	494	26	-	-	520
Wesleyan University	-	-	-	681	90	18	-	789
Yale University	-	-	-	1,320	1,511	313	346	3,490
National Independents Total	-	-	-	2,922	1,651	331	346	5,250
Regional Independents								
Albertus Magnus College	10	-	178	319	114	-	-	621
Fairfield University	-	-	13	827	282	-	-	1,122
Hartford Seminary	-	-	-	2	9	7	-	18
Holy Apostles College and Seminar	-	-	-	14	20	-	12	46
Lyme Academy of Fine Arts	-	-	-	15	-	-	-	15
Mitchell College	-	-	146	6	-	-	-	152
Paier College of Art	8	1	6	36	-	-	-	51
Quinnipiac University	-	-	1	763	260	-	213	1,237
Rensselaer at Hartford	-	-	-	-	548	-	-	548
Sacred Heart University	-	-	80	608	580	-	-	1,268
St. Basil College	-	-	-	4	-	-	-	4
St. Joseph College	-	-	-	198	154	-	-	352
Teikyo Post University	-	-	49	198	-	-	-	247
University of Bridgeport	-	-	32	151	457	4	60	704
University of Hartford	5	-	151	810	457	34	-	1,457
University of New Haven	14	-	56	442	681	4	-	1,197
Regional Independents Total	37	1	712	4,393	3,562	49	285	9,039
Two-Year Independents								
Briarwood College	-	10	107	-	-	-	-	117
Gibbs College	4	168	103	-	-	-	-	275
Goodwin College	110	126	34	-	-	-	-	270
International College of	-	10	134	-	-	-	-	144
St. Vincent's College	-	-	41	-	-	-	-	41
Two-Year Independents Total	114	314	419	-	-	-	-	847
Independent Institutions Total	151	315	1,131	7,315	5,213	380	631	15,136
Grand Total - All Institutions	815	325	4,391	14,213	8,367	614	962	29,687

Appendix B
Degrees and Certificates by Level and Race/Ethnicity
Connecticut Colleges and Universities
2000-01

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaskan Native	White Non-Hispanic	Non-Resident Alien	Other	Total
<u>Certificate < 1 Year</u>								
Agricultural Business and Production	0	0	0	0	0	0	0	0
Agricultural Sciences	0	0	0	0	2	0	2	4
Architecture and Related Programs	0	0	0	0	1	0	1	2
Business Management and Administrative Services	17	14	9	0	143	2	6	191
Communications	0	0	0	0	2	0	1	3
Communications Technologies	0	0	0	0	2	0	0	2
Computer and Information Sciences	0	1	2	0	9	1	0	13
Education	0	31	1	0	73	0	6	111
Engineering-Related Technologies	5	3	2	0	84	2	8	104
Health Professions and Related Sciences	17	6	3	1	111	1	5	144
Law and Legal Studies	2	2	0	0	18	0	1	23
Liberal Arts and Sciences, General Studies and Huma	2	2	0	1	9	0	2	16
Library Science	0	0	0	0	5	0	0	5
Marketing Operations/Marketing and Distribution	1	1	0	0	3	0	1	6
Mathematics	0	0	0	0	0	0	0	0
Mechanics and Repairers	5	2	3	0	11	0	1	22
Multi/Interdisciplinary Studies	0	0	0	0	0	0	0	0
Parks, Recreation, Leisure, and Fitness Studies	1	1	0	0	16	0	0	18
Personal and Miscellaneous Services	4	1	0	0	2	2	1	10
Precision Production Trades	3	1	2	0	10	0	2	18
Protective Services	8	13	1	0	33	1	1	57
Public Administration and Services	2	0	0	0	5	0	0	7
Social Sciences and History	0	0	0	0	0	0	0	0
Transportation and Materials Moving Workers	0	0	0	0	0	0	0	0
Visual and Performing Arts	0	0	0	0	20	1	1	22
Vocational Home Economics	4	6	0	0	24	0	3	37
Total Certificate < 1 Year Degrees	71	84	23	2	583	10	42	815
<u>Certificate > 1 Year</u>								
Business Management and Administrative Services	27	32	1	0	56	9	1	126
Computer and Information Sciences	27	18	2	1	67	0	2	117
Education	0	0	0	0	1	0	0	1
Engineering-Related Technologies	0	0	0	0	0	0	0	0
Health Professions and Related Sciences	4	1	1	0	7	0	0	13
Mechanics and Repairers	0	0	0	0	0	0	0	0
Precision Production Trades	0	0	0	0	0	0	0	0
Protective Services	0	0	0	0	0	0	0	0
Visual and Performing Arts	10	0	2	3	50	0	1	66
Vocational Home Economics	0	0	0	0	2	0	0	2
Total Certificate > 1 Year Degrees	68	51	6	4	183	9	4	325

Appendix B (Continued)
Degrees and Certificates by Level and Race/Ethnicity
Connecticut Colleges and Universities
2000-01

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaskan Native	White Non-Hispanic	Non-Resident Alien	Other	Total
<u>Associate</u>								
Agricultural Business and Production	0	0	0	0	18	0	0	18
Agricultural Sciences	0	0	0	0	5	0	0	5
Architecture and Related Programs	0	0	0	0	0	1	0	1
Biological Sciences/Life Sciences	0	0	0	0	0	0	0	0
Business Management and Administrative Services	141	70	41	5	645	131	27	1,060
Communications	0	0	1	0	10	0	0	11
Communications Technologies	1	1	1	0	26	0	0	29
Computer and Information Sciences	16	8	7	0	45	5	0	81
Education	1	0	0	1	20	0	0	22
Engineering	1	3	6	0	12	0	1	23
Engineering-Related Technologies	14	15	5	0	215	3	11	263
Health Professions and Related Sciences	83	40	17	8	481	2	17	648
Law and Legal Studies	9	7	0	0	49	0	5	70
Liberal Arts and Sciences, General Studies and Huma	178	106	31	7	1,081	28	69	1,500
Marketing Operations/Marketing and Distribution	7	4	2	0	30	2	2	47
Mechanics and Repairers	0	0	0	0	5	0	0	5
Parks, Recreation, Leisure, and Fitness Studies	0	0	0	0	19	0	0	19
Personal and Miscellaneous Services	4	0	0	1	14	0	1	20
Physical Sciences	0	0	0	0	4	0	0	4
Precision Production Trades	0	0	0	0	8	0	0	8
Protective Services	17	22	2	0	148	0	9	198
Public Administration and Services	12	2	1	0	15	0	0	30
Science Technologies	0	0	0	0	13	0	0	13
Social Sciences and History	0	0	0	0	8	0	1	9
Theological Studies and Religious Vocations	0	0	0	0	0	0	0	0
Transportation and Materials Moving Workers	0	0	0	0	1	0	0	1
Visual and Performing Arts	9	7	0	1	103	2	5	127
Vocational Home Economics	23	11	2	0	135	2	6	179
Total Associate Degrees	516	296	116	23	3,110	176	154	4,391

Appendix B (Continued)
Degrees and Certificates by Level and Race/Ethnicity
Connecticut Colleges and Universities
2000-01

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaskan Native	White Non-Hispanic	Non-Resident Alien	Other	Total
Bachelor's								
Agricultural Business and Production	0	0	0	0	22	0	0	22
Agricultural Sciences	0	0	0	0	59	0	0	59
Architecture and Related Programs	5	3	1	0	41	4	2	56
Area, Ethnic, and Cultural Studies	32	18	18	2	152	10	19	251
Biological Sciences/Life Sciences	29	20	85	2	452	15	25	628
Business Management and Administrative Services	159	98	108	3	1,716	125	51	2,260
Communications	48	38	14	0	629	10	21	760
Computer and Information Sciences	14	10	25	0	176	25	12	262
Conservation and Renewable Natural Resources	0	0	1	0	38	0	0	39
Education	14	15	5	3	453	5	16	511
Engineering	25	29	33	2	311	59	6	465
Engineering-Related Technologies	15	4	0	0	120	2	6	147
English Language and Literature/Letters	24	22	20	2	652	9	31	760
Foreign Languages and Literatures	4	22	5	1	136	6	11	185
Health Professions and Related Sciences	55	17	37	0	819	5	20	953
Home Economics, General	25	15	5	1	240	1	1	288
Law and Legal Studies	4	0	0	0	26	0	0	30
Liberal Arts and Sciences, General Studies and Huma	54	30	14	7	604	7	36	752
Library Science	1	0	1	0	6	0	1	9
Marketing Operations/Marketing and Distribution	3	6	3	0	105	2	1	120
Mathematics	9	8	9	1	169	11	8	215
Mechanics and Repairers	0	0	0	0	0	0	0	0
Multi/Interdisciplinary Studies	20	11	14	1	151	23	17	237
Parks, Recreation, Leisure, and Fitness Studies	4	2	0	0	80	0	0	86
Philosophy and Religion	2	6	11	2	100	12	13	146
Physical Sciences	6	7	12	1	183	9	11	229
Protective Services	12	12	3	1	201	2	10	241
Psychology	74	62	25	9	917	23	37	1,147
Public Administration and Services	21	9	1	0	140	15	8	194
Science Technologies	0	0	0	0	0	0	0	0
Social Sciences and History	156	118	136	17	1,782	98	98	2,405
Theological Studies and Religious Vocations	0	0	0	0	6	0	0	6
Transportation and Materials Moving Workers	0	0	0	0	7	0	0	7
Visual and Performing Arts	22	27	21	3	612	30	28	743
Total Bachelor's Degrees	837	609	607	58	11,105	508	489	14,213

Appendix B (Continued)
Degrees and Certificates by Level and Race/Ethnicity
Connecticut Colleges and Universities
2000-01

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaskan Native	White Non-Hispanic	Non-Resident Alien	Other	Total
<u>Master's</u>								
Agricultural Business and Production	0	0	0	0	0	4	1	5
Agricultural Sciences	0	0	0	0	2	0	2	4
Architecture and Related Programs	0	4	4	1	34	14	0	57
Area, Ethnic, and Cultural Studies	1	0	2	0	23	3	9	38
Biological Sciences/Life Sciences	4	4	13	0	129	27	21	198
Business Management and Administrative Services	88	51	91	10	1,194	325	250	2,009
Communications	1	0	0	0	20	9	1	31
Computer and Information Sciences	3	1	28	0	65	139	26	262
Conservation and Renewable Natural Resources	3	3	13	0	81	31	4	135
Education	82	73	18	1	2,202	66	256	2,698
Engineering	4	3	19	0	110	97	25	258
Engineering-Related Technologies	1	0	0	0	21	0	1	23
English Language and Literature/Letters	2	1	1	0	55	4	4	67
Foreign Languages and Literatures	0	3	0	0	27	27	11	68
Health Professions and Related Sciences	24	20	57	3	609	30	80	823
Home Economics, General	2	10	3	0	93	2	12	122
Law and Legal Studies	0	1	2	0	8	29	0	40
Liberal Arts and Sciences, General Studies and Huma	0	0	0	0	4	0	0	4
Library Science	2	2	1	0	72	0	6	83
Mathematics	0	1	1	0	20	18	6	46
Multi/Interdisciplinary Studies	0	0	1	0	5	0	4	10
Parks, Recreation, Leisure, and Fitness Studies	0	0	0	0	14	0	0	14
Philosophy and Religion	1	1	0	0	25	4	5	36
Physical Sciences	1	2	5	0	45	37	10	100
Protective Services	7	0	3	1	62	3	8	84
Psychology	6	8	6	1	187	13	31	252
Public Administration and Services	35	24	2	0	168	4	6	239
Social Sciences and History	9	11	12	0	110	69	46	257
Theological Studies and Religious Vocations	2	5	4	0	60	8	4	83
Transportation and Materials Moving Workers	0	0	0	0	1	0	0	1
Visual and Performing Arts	12	9	26	0	168	71	34	320
Total Master's Degrees	290	237	312	17	5,614	1,034	863	8,367

Appendix B (Continued)
Degrees and Certificates by Level and Race/Ethnicity
Connecticut Colleges and Universities
2000-01

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaskan Native	White Non-Hispanic	Non-Resident Alien	Other	Total
<u>Doctoral</u>								
Agricultural Business and Production	0	2	0	0	0	3	0	5
Agricultural Sciences	0	2	0	0	0	2	0	4
Area, Ethnic, and Cultural Studies	4	0	0	0	5	2	0	11
Biological Sciences/Life Sciences	0	21	6	1	28	30	10	96
Business Management and Administrative Services	1	7	0	0	3	6	0	17
Computer and Information Sciences	0	0	0	0	0	2	1	3
Conservation and Renewable Natural Resources	0	1	0	0	4	5	3	13
Education	4	30	5	0	10	3	0	52
Engineering	2	4	2	2	5	23	0	38
English Language and Literature/Letters	1	6	0	0	13	3	2	25
Foreign Languages and Literatures	0	3	0	1	19	9	4	36
Health Professions and Related Sciences	0	8	0	1	10	9	1	29
Home Economics, General	0	4	0	0	1	0	0	5
Law and Legal Studies	0	0	0	0	1	3	0	4
Liberal Arts and Sciences, General Studies and Huma	0	0	0	0	0	0	0	0
Mathematics	0	1	0	0	3	13	1	18
Multi/Interdisciplinary Studies	0	0	1	0	1	0	1	3
Philosophy and Religion	2	1	0	0	7	3	1	14
Physical Sciences	1	8	4	1	18	33	1	66
Psychology	1	10	1	1	36	2	1	52
Social Sciences and History	2	16	6	0	20	30	6	80
Theological Studies and Religious Vocations	1	0	0	0	6	0	0	7
Visual and Performing Arts	2	2	2	0	17	5	8	36
Total Doctoral Degrees	21	126	27	7	207	186	40	614
<u>First-Professional</u>								
Health Professions and Related Sciences	8	15	45	0	211	4	23	306
Law and Legal Studies	43	34	44	5	436	8	9	579
Theological Studies and Religious Vocations	13	2	4	0	54	2	2	77
Total First-Professional Degrees	64	51	93	5	701	14	34	962

Appendix C1
Degrees and Certificates by Discipline and Level
Connecticut Colleges and Universities
2000-01

CIP	Discipline	Cert. Less Than One-Year	Cert. One Year or More	Associate	Bachelor's	Master's	Doctoral	First Professional	Total
1	Agricultural Business and	0	0	18	22	5	5	0	50
2	Agricultural Sciences	4	0	5	59	4	4	0	76
3	Conservation and Renewable	0	0	0	39	135	13	0	187
4	Architecture and Related	2	0	1	56	57	0	0	116
5	Area, Ethnic, and Cultural	0	0	0	251	38	11	0	300
8	Marketing	6	0	47	120	0	0	0	173
9	Communications	3	0	11	760	31	0	0	805
10	Communications	2	0	29	0	0	0	0	31
11	Computer and Information	13	117	81	262	262	3	0	738
12	Personal and Miscellaneous	10	0	20	0	0	0	0	30
13	Education	111	1	22	511	2,698	52	0	3,395
14	Engineering	0	0	23	465	258	38	0	784
15	Engineering-Related	104	0	263	147	23	0	0	537
16	Foreign Languages and	0	0	0	185	68	36	0	289
19	Home Economics, General	0	0	0	288	122	5	0	415
20	Vocational Home	37	2	179	0	0	0	0	218
22	Law and Legal Studies	23	0	70	30	40	4	579	746
23	English Language and	0	0	0	760	67	25	0	852
24	Liberal Arts and Sciences	16	0	1,500	752	4	0	0	2,272
25	Library Science	5	0	0	9	83	0	0	97
26	Biological Sciences/Life	0	0	0	628	198	96	0	922
27	Mathematics	0	0	0	215	46	18	0	279
30	Multi/Interdisciplinary	0	0	0	237	10	3	0	250
31	Parks, Recreation, Leisure, etc.	18	0	19	86	14	0	0	137
38	Philosophy and Religion	0	0	0	146	36	14	0	196
39	Theological Studies and	0	0	0	6	83	7	77	173
40	Physical Sciences	0	0	4	229	100	66	0	399
41	Science Technologies	0	0	13	0	0	0	0	13
42	Psychology	0	0	0	1,147	252	52	0	1,451
43	Protective Services	57	0	198	241	84	0	0	580
44	Public Administration and	7	0	30	194	239	0	0	470
45	Social Sciences and History	0	0	9	2,405	257	80	0	2,751
47	Mechanics and Repairers	22	0	5	0	0	0	0	27
48	Precision Production Trades	18	0	8	0	0	0	0	26
49	Transportation and Materials	0	0	1	7	1	0	0	9
50	Visual and Performing Arts	22	66	127	743	320	36	0	1,314
51	Health Professions and	144	13	648	953	823	29	306	2,916
52	Business Management	191	126	1,060	2,260	2,009	17	0	5,663
TOTAL		815	325	4,391	14,213	8,367	614	962	29,687

Appendix C2
Degrees and Certificates by Level, Discipline and Gender of Recipient
Connecticut Colleges and Universities
2000-01

Discipline	Men	Women	Total
<u>Certificate < 1 Year</u>			
Agricultural Business and Production	0	0	0
Agricultural Sciences	2	2	4
Architecture and Related Programs	0	2	2
Business Management and Administrative Services	55	136	191
Communications	1	2	3
Communications Technologies	2	0	2
Computer and Information Sciences	7	6	13
Education	60	51	111
Engineering-Related Technologies	73	31	104
Health Professions and Related Sciences	23	121	144
Law and Legal Studies	8	15	23
Liberal Arts and Sciences, General Studies and Humanities	1	15	16
Library Science	1	4	5
Marketing Operations/Marketing and Distribution	2	4	6
Mathematics	0	0	0
Mechanics and Repairers	14	8	22
Multi/Interdisciplinary Studies	0	0	0
Parks, Recreation, Leisure, and Fitness Studies	8	10	18
Personal and Miscellaneous Services	4	6	10
Precision Production Trades	14	4	18
Protective Services	29	28	57
Public Administration and Services	1	6	7
Social Sciences and History	0	0	0
Transportation and Materials Moving Workers	0	0	0
Visual and Performing Arts	7	15	22
Vocational Home Economics	5	32	37
Total Certificate < 1 Year Degrees	317	498	815
<u>Certificate > 1 Year</u>			
Business Management and Administrative Services	11	115	126
Computer and Information Sciences	90	27	117
Education	0	1	1
Engineering-Related Technologies	0	0	0
Health Professions and Related Sciences	2	11	13
Mechanics and Repairers	0	0	0
Precision Production Trades	0	0	0
Protective Services	0	0	0
Visual and Performing Arts	34	32	66
Vocational Home Economics	0	2	2
Total Certificate > 1 Year Degrees	137	188	325

Appendix C2 (Continued)
Degrees and Certificates by Level, Discipline and Gender of Recipient
Connecticut Colleges and Universities
2000-01

Discipline	Men	Women	Total
<u>Associate</u>			
Agricultural Business and Production	11	7	18
Agricultural Sciences	4	1	5
Architecture and Related Programs	0	1	1
Biological Sciences/Life Sciences	0	0	0
Business Management and Administrative Services	358	702	1,060
Communications	2	9	11
Communications Technologies	15	14	29
Computer and Information Sciences	61	20	81
Education	4	18	22
Engineering	16	7	23
Engineering-Related Technologies	205	58	263
Health Professions and Related Sciences	85	563	648
Law and Legal Studies	9	61	70
Liberal Arts and Sciences, General Studies and Humanities	560	940	1,500
Marketing Operations/Marketing and Distribution	13	34	47
Mechanics and Repairers	5	0	5
Parks, Recreation, Leisure, and Fitness Studies	10	9	19
Personal and Miscellaneous Services	10	10	20
Physical Sciences	1	3	4
Precision Production Trades	8	0	8
Protective Services	115	83	198
Public Administration and Services	4	26	30
Science Technologies	10	3	13
Social Sciences and History	1	8	9
Theological Studies and Religious Vocations	0	0	0
Transportation and Materials Moving Workers	0	1	1
Visual and Performing Arts	50	77	127
Vocational Home Economics	21	158	179
Total Associate Degrees	1,578	2,813	4,391

Appendix C2 (Continued)
Degrees and Certificates by Level, Discipline and Gender of Recipient
Connecticut Colleges and Universities
2000-01

Discipline	Men	Women	Total
<u>Bachelor's</u>			
Agricultural Business and Production	5	17	22
Agricultural Sciences	14	45	59
Architecture and Related Programs	25	31	56
Area, Ethnic, and Cultural Studies	79	172	251
Biological Sciences/Life Sciences	259	369	628
Business Management and Administrative Services	1,180	1,080	2,260
Communications	328	432	760
Computer and Information Sciences	207	55	262
Conservation and Renewable Natural Resources	25	14	39
Education	155	356	511
Engineering	393	72	465
Engineering-Related Technologies	135	12	147
English Language and Literature/Letters	245	515	760
Foreign Languages and Literatures	65	120	185
Health Professions and Related Sciences	165	788	953
Home Economics, General	26	262	288
Law and Legal Studies	8	22	30
Liberal Arts and Sciences, General Studies and Humanities	314	438	752
Library Science	0	9	9
Marketing Operations/Marketing and Distribution	58	62	120
Mathematics	87	128	215
Mechanics and Repairers	0	0	0
Multi/Interdisciplinary Studies	105	132	237
Parks, Recreation, Leisure, and Fitness Studies	36	50	86
Philosophy and Religion	97	49	146
Physical Sciences	131	98	229
Protective Services	134	107	241
Psychology	241	906	1,147
Public Administration and Services	41	153	194
Science Technologies	0	0	0
Social Sciences and History	1,253	1,152	2,405
Theological Studies and Religious Vocations	6	0	6
Transportation and Materials Moving Workers	7	0	7
Visual and Performing Arts	342	401	743
Total Bachelor's Degrees	6,166	8,047	14,213

Appendix C2 (Continued)
Degrees and Certificates by Level, Discipline and Gender of Recipient
Connecticut Colleges and Universities
2000-01

Discipline	Men	Women	Total
<u>Master's</u>			
Agricultural Business and Production	3	2	5
Agricultural Sciences	0	4	4
Architecture and Related Programs	37	20	57
Area, Ethnic, and Cultural Studies	12	26	38
Biological Sciences/Life Sciences	74	124	198
Business Management and Administrative Services	1,196	813	2,009
Communications	7	24	31
Computer and Information Sciences	177	85	262
Conservation and Renewable Natural Resources	69	66	135
Education	599	2,099	2,698
Engineering	205	53	258
Engineering-Related Technologies	18	5	23
English Language and Literature/Letters	22	45	67
Foreign Languages and Literatures	29	39	68
Health Professions and Related Sciences	186	637	823
Home Economics, General	23	99	122
Law and Legal Studies	24	16	40
Liberal Arts and Sciences, General Studies and Humanities	0	4	4
Library Science	8	75	83
Mathematics	30	16	46
Multi/Interdisciplinary Studies	5	5	10
Parks, Recreation, Leisure, and Fitness Studies	3	11	14
Philosophy and Religion	24	12	36
Physical Sciences	73	27	100
Protective Services	35	49	84
Psychology	68	184	252
Public Administration and Services	54	185	239
Social Sciences and History	138	119	257
Theological Studies and Religious Vocations	44	39	83
Transportation and Materials Moving Workers	1	0	1
Visual and Performing Arts	145	175	320
Total Master's Degrees	3,309	5,058	8,367

Appendix C2 (Continued)
Degrees and Certificates by Level, Discipline and Gender of Recipient
Connecticut Colleges and Universities
2000-01

Discipline	Men	Women	Total
<u>Doctoral</u>			
Agricultural Business and Production	4	1	5
Agricultural Sciences	1	3	4
Area, Ethnic, and Cultural Studies	2	9	11
Biological Sciences/Life Sciences	53	43	96
Business Management and Administrative Services	9	8	17
Computer and Information Sciences	2	1	3
Conservation and Renewable Natural Resources	5	8	13
Education	18	34	52
Engineering	29	9	38
English Language and Literature/Letters	15	10	25
Foreign Languages and Literatures	14	22	36
Health Professions and Related Sciences	11	18	29
Home Economics, General	2	3	5
Law and Legal Studies	3	1	4
Liberal Arts and Sciences, General Studies and Humanities	0	0	0
Mathematics	14	4	18
Multi/Interdisciplinary Studies	3	0	3
Philosophy and Religion	7	7	14
Physical Sciences	45	21	66
Psychology	12	40	52
Social Sciences and History	56	24	80
Theological Studies and Religious Vocations	2	5	7
Visual and Performing Arts	24	12	36
Total Doctoral Degrees	331	283	614
<u>First-Professional</u>			
Health Professions and Related Sciences	166	140	306
Law and Legal Studies	291	288	579
Theological Studies and Religious Vocations	42	35	77
Total First-Professional Degrees	499	463	962