

ED302139

Salary Trend Study of Faculty in Computer and Information
Science for the Years 1984-85 and 1987-88

Richard Howe & Maryon Urquhart

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SALARY-TREND STUDY OF FACULTY IN COMPUTER AND INFORMATION SCIENCE

FOR THE YEARS

1984-85 AND 1987-88

Since 1982-83 the College and University Personnel Association (CUPA) in Washington, D.C., in cooperation with Appalachian State University in Boone, North Carolina, has conducted annual national faculty salary studies by discipline and rank each year through 1987-88. Each year two separate studies are conducted, one for public senior colleges and universities which are members of the American Association of State Colleges and Universities (AASCU) in Washington, D.C., and the other for private senior colleges and universities. The list of private institutions is provided by the American Council on Education in Washington, D.C.

Salary data for each study were collected and tabulated for full-time teaching faculty in 45 selected academic disciplines including computer and information science. The disciplines were chosen from among those defined by the Higher Education General Information Study (HEGIS) Taxonomy and by A Classification of Instructional Programs (CIP), 1985. The definition of the discipline/major field of computer and information science in the CIP is as follows:

A summary of groups of instructional programs that describe the coding, processing, and storage of data through repetitious and highly complex mathematical operations at high speed, and in accordance with strictly defined systems and procedures.*

[*Gerald S. Malitz, A Classification of Instructional Programs (Washington, DC.: National Center for Education Statistics, [1985], p. 63.--11.)

This article presents a summary of the overall average salary increases in the discipline/major field of computer and information science from the

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"baseline year" of 1984-85 to and including the "trend year" of 1987-88 for both public and private institutions. Of the 272 institutions which participated in CUPA's PUBLIC (AASCU) study of 1984-85, 216 also participated in 1987-88. Data from those same 216 institutions were used in both the "baseline year" and the "trend year". Of the 451 institutions which participated in CUPA'S PRIVATE study of 1984-85, 266 also participated in 1987-88. Data from those same 266 institutions were used in both the "baseline year" and the "trend year".

This study lists the average salaries of computer and information science faculty for both public and private participating institutions by rank, including "new assistant professor," the FAC MIX PCT (faculty mix percentage) and the salary factor. In addition, comparisons are made with the CPI (consumer price index) of changes in cost-of-living between the two studies for each of the two study years (1984-85 and 1987-88).

The CPI is based on prices of food, clothing, shelter and fuels, transportation, medical care, entertainment, and other goods and services that people buy for day-to-day living. In examining trends in faculty salary it is important to consider any changes in the economy. Thus, by comparing changes in faculty salaries with the CPI, a more precise representation of the "real" salary increases is yielded.

The salary is based on a nine- or ten-month academic year salary of full-time faculty only. Full-time faculty members are those who teach no less than 51 percent of the time. Salary for summer academic work, fringe benefits, and perquisites are not included in the salary data. The average salary displayed is computed from all faculty salaries reported for a given rank and discipline.

The "NUM" means the number of faculty members whose salaries were included to compute the average salary.

The "N/IN" means the number of institutions that reported salary data for a given academic rank and discipline/major field.

The FAC MIX PCT is the percentage of faculty in a given discipline/major field who hold a given academic rank. For example, a FAC MIX PCT factor of .27 for associate professor of computer and information science in the 1984-85 public study means that 27 percent of the faculty in that discipline/major field hold the rank of associate professor.

The SALARY FACTOR for a given rank of a given discipline/major field is the ratio of the average salary to the total average salary of all institutions in each of the four studies: PUBLIC 1984-85, PUBLIC 1987-88, PRIVATE 1984-85 and PRIVATE 1987-88. For example, a SALARY FACTOR of 1.14 for assistant professors in the discipline/major field of computer and information science in the 1984-85 public study means that their salaries are 14 percent higher than the average of all assistant professors in all institutions in that study.

NEW ASST PROF is the grouping of assistant professors who were hired for the first time in the fall of the study year (1984-85 or 1987-88). All information for this group was included in the ASST PROF group for reporting purposes. This group is used mainly for new hiring information.

ALL MAJOR FIELDS is the entire data base for all 45 disciplines/major fields in each of the four studies. It is used to compare, among other things, the discipline/major field of computer and information science with the entire data base for each study.

Of particular import to the reader is noting the size of the sample on which each percentage or dollar value is based. The smaller the number in the group, the greater the effect of extreme scores on a descriptive statistic such as the average. It should be noted also that any large disparity in the sample sizes between the "baseline year" of 1984-85 and the "trend year" of 1987-88 will lessen the reliability and validity of any conclusions that one might make based on a simple comparison of averages.

PROF			ASSO PROF			ASST PROF			NEW ASST PROF			INSTRUCTOR			ALL RANKS		
SALARY	NUM	N/IN	SALARY	NUM	N/IN	SALARY	NUM	N/IN	SALARY	NUM	N/IN	SALARY	NUM	N/IN	SALARY	NUM	N/IN

PUBLIC, 1984-85:

COMPUTER AND INFORMATION SCIENCE

AVERAGE																		
SALARY:	37335	197	88	32778	290	114	27722	368	114	27285	82	58	21896	229	79	29591	1084	140
FAC MIX																		
PCT:	0.18			0.27			0.34			0.08			0.21			1.00		
SALARY																		
FACTOR:	1.05			1.12			1.14			1.16			1.11			1.01		

ALL MAJOR FIELDS

AVERAGE																		
SALARY:	35583	16647		29260	15785		24372	13767		23563	1931		19711	4112		29234	50311	216
FAC MIX																		
PCT:	0.33			0.31			0.27			0.04			0.08			1.00		

PUBLIC, 1987-88:

COMPUTER AND INFORMATION SCIENCE

AVERAGE																		
SALARY:	46966	282	119	39274	432	138	33221	485	142	34128	67	43	24938	215	92	36552	1414	170
FAC MIX																		
PCT:	0.20			0.31			0.34			0.05			0.15			1.00		
SALARY																		
FACTOR:	1.12			1.14			1.16			1.23			1.11			1.06		

ALL MAJOR FIELDS

AVERAGE																		
SALARY:	42078	18029		34414	15437		28589	14226		27759	2245		22371	3878		34581	51570	216
FAC MIX																		
PCT:	0.35			0.30			0.28			0.04			0.08			1.00		

PRIVATE, 1984-85:

COMPUTER AND INFORMATION SCIENCE

AVERAGE																		
SALARY:	40638	130	67	32755	181	81	27069	306	128	27231	68	46	22102	111	66	30148	728	165
FAC MIX																		
PCT:	0.18			0.25			0.42			0.09			0.15			1.00		
SALARY																		
FACTOR:	1.06			1.13			1.15			1.18			1.16			1.01		

ALL MAJOR FIELDS

AVERAGE																		
SALARY:	38304	9450		29006	8980		23612	8649		23044	1224		1015	1912		29769	28991	266
FAC MIX																		
PCT:	0.33			0.31			0.30			0.04			0.07			1.00		

PRIVATE, 1987-88:

COMPUTER AND INFORMATION SCIENCE

AVERAGE																		
SALARY:	50518	160	70	39024	233	94	32544	366	134	33250	55	40	23900	77	55	30994	836	177
FAC MIX																		
PCT:	0.19			0.28			0.44			0.07			0.09			1.00		
SALARY																		
FACTOR:	1.12			1.15			1.16			1.21			1.08			1.05		

ALL MAJOR FIELDS

AVERAGE																		
SALARY:	45193	9944		33900	9299		27999	8310		27388	1322		22156	1671		35269	29724	266
FAC MIX																		
PCT:	0.33			0.31			0.30			0.04			0.06			1.00		

RESULTS OF THE TWO PUBLIC (AASCU) STUDIES, 1984-85 AND 1987-88

In the PUBLIC 1984-85 salary study in the above table, the reader may note that the discipline/major field of computer and information science was reported in 140 of the 216 public (AASCU) institutions. The average salary of the 1,084 faculty was \$29,591. This average salary was approximately 1 percent (1.01) higher than the average salary of \$29,234 for all 50,311 faculty in ALL MAJOR FIELDS in the 1984-85 public study.

In the PUBLIC 1987-88 salary study in the above table, the discipline/major field of computer and information science was reported in 170 of the same 216 public (AASCU) institutions. The average salary of the 1,414 faculty was \$36,552. This average salary was approximately 6 percent (1.06) higher than the average salary of \$34,581 for all 51,570 faculty in ALL MAJOR FIELDS in the 1987-88 public study.

The increase in average salaries for all faculty in the discipline/major field of computer and information science after three years in the public institutions studied was 23.5 percent (\$36,552 minus \$29,591 equals \$6,961). The CPI of increased cost-of-living between October 1984 and October 1987 was 9.5 percent. A more realistic increase, therefore, in average faculty salaries over the three-year time period is 14.0 percent or an average of 4.7 percent each year above the cost-of-living.

The increase in average salaries for all faculty in ALL MAJOR FIELDS after three years in the public institutions studied was 18.3 percent (\$34,581 minus \$29,234 equals \$5,347). In comparison to the discipline/major field of computer and information science (23.5%), therefore, the faculty in ALL MAJOR FIELDS increased their salaries by 5.2 percent (23.5% minus 18.3% equals 5.2%) less than faculty in the discipline/major field of computer and information science.

The reader may note that the faculty mix percentage in computer and

information science is lower at the professor rank than at the assistant professor rank in both the public studies: 0.18 vs 0.34 (1984-85) and 0.20 vs 0.34 (1987-88), respectively. The differences in faculty mix percentage at the ranks of professor and assistant professor in ALL MAJOR FIELDS for both public studies are as follows: 0.33 vs. 0.27 (1984-85) and 0.35 vs. 0.28 (1987-88), respectively. In other words ALL MAJOR FIELDS has a higher percentage of professors and a lower percentage of assistant professors compared to computer and information science in both of the public studies.

Finally, the hiring rate of new assistant professors in computer and information science in the public studies was higher than the hiring rate in ALL MAJOR FIELDS both in 1984-85, 7.6 percent (82/1,084) vs. 3.8 percent (1,931/50,311), respectively; and in 1987-88, 4.7 percent (67/1,414) vs. 4.4 percent (2,245/51,570), respectively.

RESULTS OF THE TWO PRIVATE STUDIES, 1984-85 AND 1987-88

In the PRIVATE 1984-85 salary study in the above table, the reader may note that the discipline/major field of computer and information science was reported in 165 of the 266 private institutions. The average salary of the 728 faculty was \$30,148. This average salary was approximately 1 percent (1.01) higher than the average salary of \$29,769 for all 28,991 faculty in ALL MAJOR FIELDS in the 1984-85 private study.

In the PRIVATE 1987-88 salary study in the above table, the discipline/major field of computer and information science was reported in 177 of the same 266 private institutions. The average salary of the 836 faculty was \$36,994. This average salary was about 5 percent (1.05) higher than the average salary of \$35,269 for all 29,724 faculty in ALL MAJOR FIELDS in the 1987-88 private

study.

The increase in average salaries for all faculty in computer and information science after three years in the private institutions studied was 22.7 percent (\$36,994 minus \$30,148 equals \$6,846). The CPI of increased cost-of-living between October 1984 and October 1987 was 9.5 percent. A more realistic increase, therefore, in average faculty salaries over the three-year time period is 13.2 percent or 4.4 percent each year above the cost-of-living.

The increase in average salaries for all faculty in ALL MAJOR FIELDS after three years in the private institutions studied was 18.5 percent (\$35,269 minus \$29,769 equals \$5,500). In comparison to the discipline/major field of computer and information science (22.7%), therefore, the faculty in ALL MAJOR FIELDS increased their salaries by 4.2 percent (22.7% minus 18.5% equals 4.2%) less than faculty in computer and information science.

In the discipline/major field of computer and information science, the reader may note that the faculty mix percentage at the professor rank is less than at the assistant professor rank in the private studies: 0.18 vs. 0.42 (1984-85), respectively; and 0.19 vs. 0.44 (1987-88), respectively. This is quite different from ALL MAJOR FIELDS for both private studies: 0.33 vs. 0.30 (1984-85), respectively; and 0.33 vs. 0.30 (1987-88), respectively. In other words ALL MAJOR FIELDS has a higher percentage of professors and a lower percentage of assistant professors compared to computer and information science in both private studies.

Finally, the reader may note that the hiring rate of new assistant professors in computer and information science in the private studies was greater than the hiring rate in ALL MAJOR FIELDS both in 1984-85, 9.3 percent (68/728) vs. 4.2 percent (1,224/28,991), respectively; and in 1987-88, 6.6 percent (55/836) vs. 4.4 percent (1,322/29,724), respectively.

CONCLUDING REMARKS

This article presented salary-trend information on the academic discipline/major field of computer and information science and compared that information with 44 other academic disciplines/major fields over a period of three years: the "baseline year" of 1984-85 through the "trend year" of 1987-88. Two studies, one for public (AASCU) institutions, and the other for private institutions were conducted for the baseline year and for the trend year--a total of four studies. A total of 4,062 faculty in the discipline/major field of computer and information science participated and were included in the overall total of 160,596 faculty in all 45 disciplines/major fields in all four studies. The same 216 public (AASCU) institutions and the same 266 private institutions in the United States participated in the baseline year and the trend year.

Although many interpolations and extrapolations of the data may be made, a few of the more important ones are as follows. First, the average faculty salary in the discipline/major field of computer and information science is currently (1987-88) some 6 and 5 percent above the overall average faculty salaries of the other 44 disciplines/major fields for both the public and private studies, respectively. The average faculty salary for computer and information science in the private institutions was 2 percent lower than in public institutions in the 1984-85 study. The overall salary average in the private institutions is now (1987-88) 1.2 percent more in comparison to that for the public institutions.

Second, the CPI of October 1987, in comparison to the CPI of October 1984, indicates that the faculty in computer and information science, in both the public and private institutions, received overall salary increases for three years above the cost-of-living. Computer and information science faculty salaries in both the public and private institutions exceeded faculty in ALL

MAJOR FIELDS during this same period.

Third, in the discipline/major field of computer and information science the assistant professor rank has a greater percentage compared to the full professor rank for both the public and private studies. The full professor rank appears to be increasing at a greater rate in the public institutions compared to the private institutions. It seems a smaller percentage of new assistant professors are being hired in both the public and private institutions.

Now that a rather significant data base on individual faculty member salaries has been developed, it is anticipated that additional salary-trend studies will be effected in computer and information science, and in other disciplines/major fields, on an annual basis.

Richard D. Howe is the originator and director of the annual CUPA faculty salary studies. He is a professor of leadership and higher education, and history at Appalachian State University, Boone, North Carolina. Co-author Maryon Urquhart is a research analyst in the Office of Equal Opportunity Programs at Appalachian State University, Boone, North Carolina.

APPENDICES:

- A) OVERALL LIST OF SELECTED DISCIPLINES, page 10
- B) LIST OF PUBLIC Participating Institutions, page 11
- C) LIST OF PRIVATE Participating Institutions, page 14

APPENDIX A

OVERALL LIST OF SELECTED DISCIPLINES

ACCOUNTING	HOME ECONOMICS
AGRIBUSINESS AND AGRICULTURAL PRODUCTION	LETTERS
ANTHROPOLOGY	LIBRARY AND ARCHIVAL SCIENCES
ARCHITECTURE AND ENVIRONMENTAL DESIGN	LIFE SCIENCES
AREA AND ETHNIC STUDIES	MATHEMATICS
AUDIOLOGY AND SPEECH PATHOLOGY	MULTI-INTERDISCIPLINARY STUDIES
BUSINESS AND MANAGEMENT	MUSIC
BUSINESS ADMINISTRATION AND MANAGEMENT	NURSING
BUSINESS ECONOMICS	PHILOSOPHY AND RELIGION
CHEMISTRY	PHYSICAL EDUCATION
COMMUNICATIONS TECHNOLOGIES	PHYSICAL SCIENCES
COMMUNICATIONS	PHYSICS
COMPUTER AND INFORMATION SCIENCES	POLITICAL SCIENCE AND GOVERNMENT
CURRICULUM AND INSTRUCTION	PSYCHOLOGY
DRAMATIC ARTS	READING EDUCATION
EDUCATION	SECRETARIAL AND RELATED PROGRAMS
EDUCATION ADMINISTRATION	SOCIAL SCIENCES
ENGINEERING	SOCIOLOGY
FINE ARTS	SPECIAL EDUCATION
FOREIGN LANGUAGES	STUDENT COUNSELING AND PERSONNEL SERVICES
GEOGRAPHY	TEACHER EDUCATION, GENERAL PROGRAMS
GEOLOGICAL SCIENCES	VISUAL AND PERFORMING ARTS
HISTORY	<u>TOTAL: 45</u>

APPENDIX B

CUPA Public (AASCU) Faculty Salary-Trend Studies: 1984-85 and 1987-88

Institutions Participating in Both Studies:

Adams State College (CO)	Edinboro University of Pennsylvania (PA)
Alabama State University (AL)	Fitchburg State College (MA)
Albany State College (GA)	Florida International University (FL)
Angelo State University (TX)	Fort Hays State University (KS)
Appalachian State University (NC)	Francis Marion College (SC)
Arkansas State University (AR)	Frostburg State College (MD)
Arkansas Tech University (AR)	George Mason University (VA)
Armstrong State College (GA)	Georgia College (GA)
Auburn University at Montgomery (AL)	Georgia Southern College (GA)
Augusta College (GA)	Georgia Southwestern College (GA)
Black Hills State College (SD)	Grambling State University (LA)
Bluefield State College (WV)	Grand Valley State College (MI)
Boise State University (ID)	Harris-Stowe State College (MO)
Bowling Green State University (OH)	Henderson State University (AR)
California State College, Bakersfield (CA)	Idaho State University (ID)
California State University, Dominguez Hills (CA)	Illinois State University (IL)
California State University, Hayward (CA)	Indiana State University (IN)
California State University, Long Beach (CA)	Indiana University East (IN)
California State University, Los Angeles (CA)	Indiana University of Pennsylvania (PA)
California University of Pennsylvania (PA)	Jacksonville State University (AL)
Castleton State College (VT)	James Madison University (VA)
Central Connecticut State University (CT)	John Jay College of Criminal Justice (NY)
Central Missouri State University (MO)	Kearney State College (NE)
Central State University (OK)	Keene State College (NH)
Central Washington University (WA)	Kennesaw College (GA)
Chadron State College (NE)	Kutztown University (PA)
Citadel, (The) Military College of South Carolina (SC)	Lake Superior State College (MI)
Clarion University of Pennsylvania (PA)	Lander College (SC)
Cleveland State University (OH)	Lewis Clark State College (ID)
Clinch Valley College of the University of Virginia (VA)	Livingston University (AL)
College of Charleston (SC)	Lock Haven University (PA)
College of Staten Island, The (NY)	Longwood College (VA)
College of the Virgin Islands at St. Thomas (VI)	Louisiana State University in Shreveport (LA)
Columbus College (GA)	Louisiana Tech University (LA)
Corpus Christi State University (TX)	Lyndon State College (VT)
Dakota State College (SD)	Mansfield University (PA)
Delta State University (MS)	Marshall University (WV)
East Central University (OK)	Mary Washington College (VA)
East Tennessee State University (TN)	Mayville State College (ND)
East Texas State University (TX)	McNeese State University (LA)
Eastern Connecticut State University (CT)	Mesa College (CO)
Eastern Illinois University (IL)	Metropolitan State College (CO)
Eastern Kentucky University (KY)	Metropolitan State University (MN)
Eastern Montana College (MT)	Middle Tennessee State University (TN)
Eastern New Mexico University (NM)	Midwestern State University (TX)
	Millersville University (PA)

Participating Institutions, continued:

Minot State College (ND)
Mississippi University for Women (MS)
Missouri Southern State College (MO)
Missouri Western State College (MO)
Montana College of Mineral Science
& Technology (MT)
Montclair State College (NJ)
Moorhead State University (MN)
Morehead State University (KY)
Morgan State University (MD)
North Carolina Agricultural & Technical
State University (NC)
North Texas State University (TX)
Northeast Louisiana University (LA)
Northeastern Illinois University (IL)
Northern Arizona University (AZ)
Northern Illinois University (IL)
Northern Michigan University (MI)
Northern Montana College (MT)
Northern State College (SD)
Northwest Missouri State University (MO)
Northwestern State University (LA)
Oakland University (MI)
Old Dominion University (VA)
Oregon Institute of Technology (OR)
Peru State College (NE)
Pittsburg State University (KS)
Plymouth State College (NH)
Portland State University (OR)
Purdue University at Calumet (IN)
Radford University (VA)
Rhode Island College (RI)
Salem State College (MA)
Salisbury State College (MD)
Sangamon State University (IL)
Shepherd College (WV)
Shippensburg University (PA)
Sonoma State University (CA)
South Dakota School of Mines & Technology (SD)
Southeast Missouri State University (MO)
Southern Arkansas University (AR)
Southern Connecticut State University (CT)
Southern Illinois University at Edwardsville (IL)
Southern Oregon State College (OR)
Southwest Missouri State University (MO)
Southwest Texas State University (TX),
St. Cloud University (MN)
State University of New York College at
Brooklyn (NY)
State University of New York College at
Buffalo (NY)
State University of New York College at
Cortland (NY)
State University of New York College at
Geneseo (NY)
State University of New York College at
Old Westbury (NY)
State University of New York College at
Plattsburgh (NY)
State University of New York College of
Technology at Utica/Rome (NY)
Stephen F. Austin State University (TX)
Sul Ross State University (TX)
Tennessee Technological University (TN)
Texas A&I University (TX)
Texas A&M University at Galveston (TX)
Towson State University (MD)
Trenton State College (NJ)
Troy State University (AL)
University of Akron, The (OH)
University of Alaska at Juneau (AK)
University of Arkansas at Little Rock (AR)
University of Arkansas at Monticello (AR)
University of Central Florida (FL)
University of Colorado at Colorado Springs (CO)
University of Colorado at Denver (CO)
University of Houston--Clear Lake (TX)
University of Houston--Downtown (TX)
University of Lowell (MA)
University of Maine at Presque Isle (ME)
University of Maryland Baltimore County (MD)
University of Missouri--St. Louis (MO)
University of Montevallo (AL)
University of Nebraska at Omaha (NE)
University of Nevada, Las Vegas (NV)
University of North Carolina at Asheville (NC)
University of North Carolina at Charlotte (NC)
University of North Carolina at Greensboro (NC)
University of North Carolina at Wilmington (NC)
University of Northern Colorado (CO)
University of Northern Iowa (IA)
University of Science and Arts of Oklahoma (OK)
University of South Alabama, The (AL)
University of South Carolina - Aiken (SC)
University of South Carolina at Spartanburg (SC)
University of Southern Colorado (CO)
University of Southern Indiana (IN)
University of Southern Maine (ME)
University of Southern Mississippi (MS)
University of Tennessee at Chattanooga (TN)
University of Tennessee at Martin, The (TN)
University of Texas at Dallas, The (TX)

Participating Institutions, continued:

University of Texas at San Antonio (TX)
University of Texas of the Permian Basin (TX)
University of the District of Columbia (DC)
University of West Florida (FL)
University of Wisconsin--Eau Claire (WI)
University of Wisconsin--Green Bay (WI)
University of Wisconsin--Platteville (WI)
University of Wisconsin--Stevens Point (WI)
University of Wisconsin--Stout (WI)
University of Wisconsin--Superior (WI)
University of Wisconsin--Whitewater (WI)
University of Wisconsin Oshkosh (WI)
Valdosta State College (GA)
Weber State College (UT)
West Georgia College (GA)
West Liberty State College (WV)
West Texas State University (TX)
West Virginia College of Graduate Studies (WV)
West Virginia Institute of Technology (WV)
West Virginia State College (WV)
Western Carolina University (NC)
Western Connecticut State University (CT)
Western Illinois University (IL)
Western Kentucky University (KY)
Western Michigan University (MI)
Western New Mexico University (NM)
Western Oregon State College (OR)
Western State College of Colorado (CO)
Western Washington University (WA)
Wichita State University, The (KS)
Winona State University (MN)
Youngstown State University (OH)

Total: 216

APPENDIX C

CUPA Private Faculty Salary-Trend Studies: 1984-85 and 1987-88

Institutions Participating in Both Studies:

Abilene Christian University (TX)
Agnes Scott College (GA)
Albertus Magnus College (CT)
Allentown College of St. Francis de Sales (PA)
Alma College (MI)
Alverno College (WI)
American College, The (PA)
American Graduate School of International Management (AZ)
American Technological University (TX)
American University, The (DC)
Amherst College (MA)
Andover Newton Theological School (MA)
Anna Maria College (MA)
Aquinas College (MI)
Arkansas College (AR)
Asbury College (KY)
Augustana College (IL)
Aurora University (IL)
Austin College (TX)
Averett College (VA)
Avila College (MO)
Azusa Pacific University (CA)
Babson College (MA)
Bard College (NY)
Barry University (FL)
Beaver College (PA)
Benedictine College (KS)
Bennett College (NC)
Bentley College (MA)
Biola University (CA)
Birmingham-Southern College (AL)
Boston College (MA)
Bradley University (IL)
Briar Cliff College (IA)
Bridgewater College (VA)
Brigham Young University (UT)
Bryant College (RI)
Bryn Mawr College (PA)
Bucknell University (PA)
Butler University (IN)
Campbellsville College (KY)
Canisius College (NY)
Capitol Institute of Technology (MD)
Carnegie-Mellon University (PA)
Carroll College (MT)
Carroll College (WI)
Catholic University of America, The (DC)
Catholic University of Puerto Rico (PR)
Cedar Crest College (PA)
Cedarville College (OH)
Central College (IA)
Chaminade University of Honolulu (HI)
Christian Brothers College (TN)
Claremont Graduate School (CA)
Clark University (MA)
Clarke College (IA)
Clarkson University (NY)
Cogswell Polytechnical College (CA)
Coker College (SC)
Colgate University (NY)
College of Great Falls (MT)
College of Mount Saint Vincent (NY)
College of Mount St. Joseph (OH)
College of Saint Benedict (MN)
College of Saint Elizabeth (NJ)
College of Saint Rose, The (NY)
College of St. Joseph (VT)
College of St. Scholastica (MN)
College of the Holy Cross (MA)
College of Wooster, The (OH)
Columbia Bible College (SC)
Columbia College (MO)
Concordia College (MI)
Concordia College (MN)
Concordia College (NY)
Concordia College (OR)
Concordia College Wisconsin (WI)
Converse College (SC)
Cooper Union for the Advancement of
Science and Art, The (NY)
Cornell College (IA)
Cornell University (NY)
Creighton University (NE)
Curry College (MA)
D'Youville College (NY)
Davis & Elkins College (WV)
Defiance College, The (OH)
DePaul University (IL)
Dickinson College (PA)
Dordt College, Inc. (IA)
Drake University (IA)
Drew University (NJ)

Participating Institutions, continued:

Duquesne University (PA)
Eastern Mennonite College and Seminary (VA)
Eckerd College (FL)
Elmhurst College (IL)
Elmira College (NY)
Elms College (MA)
Embry-Riddle Aeronautical University (FL)
Emerson College (MA)
Emory & Henry College (VA)
Fairfield University (CT)
Fontbonne College (MO)
Fordham University (NY)
Fort Wayne Bible College (IN)
George Washington University, The (DC)
Georgetown University (DC)
Georgian Court College (NJ)
GMI Engineering & Management Institute (MI)
Gonzaga University (WA)
Gordon College (MA)
Goshen College (IN)
Grand View College (IA)
Guilford College (NC)
Hartwick College (NY)
Heidelberg College (OH)
High Point College (NC)
Hope College (MI)
Husson College (ME)
Illinois Benedictine College (IL)
Illinois College (IL)
Illinois Institute of Technology (IL)
Immaculata College (PA)
Inter American University of Puerto Rico
--at San German (PR)
Iona College (NY)
Ithaca College (NY)
John Carroll University (OH)
Judson College (IL)
Kalamazoo College (MI)
Kenyon College (OH)
King's College (PA)
La Roche College (PA)
Lancaster Bible College (PA)
Le Moyne College (NY)
Le Tourneau College (TX)
Lebanon Valley College (PA)
Lewis & Clark College (OR)
Linfield College (OR)
Long Island University (NY)
Loras College (IA)
Loyola College in Maryland (MD)
Luther College (IA)
Lycoming College (PA)
Lynchburg College (VA)
Manhattanville College (NY)
Marion College (IN)
Mary Baldwin College (VA)
Marymount College (NY)
Maryville College (TN)
Maryville College--St. Louis (MO)
Marywood College (PA)
Massachusetts Institute of Technology (MA)
McPherson College (KS)
Mercy College of Detroit (MI)
Mercyhurst College (PA)
Merrimack College (MA)
Milwaukee School of Engineering (WI)
Moravian College (PA)
Mount Mary College (WI)
Mount Mercy College (IA)
Mount Saint Clare College (IA)
Mount Saint Mary's College (MD)
Mount Senario College (WI)
Nazareth College (MI)
Neumann College (PA)
North Central College (IL)
North Park College (IL)
Northeastern University (MA)
Northrop University (CA)
Northwestern College (IA)
Notre Dame College (OH)
Oakwood College (AL)
Oklahoma Baptist University (OK)
Otterbein College (OH)
Pepperdine University (CA)
Phillips University (OK)
Pikeville College (KY)
Point Loma Nazarene College (CA)
Polytechnic University (NY)
Principia College (IL)
Quinnipiac College (CT)
Randolph-Macon Woman's College (VA)
Reed College (OR)
Reformed Bible College (MI)
Rensselaer Polytechnic Institute (NY)
Rider College (NJ)
Rio Grande College/Community College (OH)
Rockford College (IL)
Rockhurst College (MO)
Rose-Hulman Institute of Technology (IN)
Saint Edward's University (TX)
Saint Joseph College (CT)
Saint Mary College (KS)

Participating Institutions, continued:

Saint Michael's College (VT)	Utica College of Syracuse University (NY)
Saint Peter's College (NJ)	Villa Maria College (PA)
Saint Vincent College (PA)	Viterbo College (WI)
Salem College (NC)	Walsh College (OH)
School of the Ozarks, The (MO)	Wartburg College (IA)
Seattle Pacific University (WA)	Washington and Jefferson College (PA)
Seattle University (WA)	Wesleyan University (CT)
Seton Hill College (PA)	Western Maryland College (MD)
Siena College (NY)	Western New England College (MA)
Siena Heights College (MI)	Westmar College (IA)
Simpson College (IA)	Westminster College of Salt Lake City (UT)
Skiomore College (NY)	Wheeling College, Inc. (WV)
Southern California College (CA)	Whitman College (WA)
Southern Methodist University (TX)	Whittier College (CA)
Southwestern Assemblies of God College (TX)	Widener University (PA)
Southwestern College (KS)	William Jewell College (MO)
Spalding University (NY)	William Marsh Rice University (TX)
Springfield College (MA)	William Penn College (IA)
St. Francis College (NY)	Wilmington College (OH)
St. Mary's University (TX)	Wittenburg University (OH)
St. Norbert College (WI)	Worcester Polytechnic Institute (MA)
Stevens Institute of Technology (NJ)	Xavier University (OH)
Suffolk University (MA)	York College of Pennsylvania (PA)
Susquehanna University (PA)	
Syracuse University (NY)	
Tabor College (KS)	TOTAL: 266
Taylor University (IN)	
Texas Christian University (TX)	
Thomas College (ME)	
Transylvania University (KY)	
Trinity Christian College (IL)	
Trinity College Inc. (VT)	
Trinity University (TX)	
Tulane University (LA)	
University of Dallas, The (TX)	
University of Dayton (OH)	
University of Detroit (MI)	
University of Dubuque, The (IA)	
University of Hartford (CT)	
University of Judaism (CA)	
University of La Verne (CA)	
University of Portland (OR)	
University of Redlands (CA)	
University of Richmond (VA)	
University of San Diego (CA)	
University of St. Thomas (TX)	
University of the South, The (TN)	
University of Tampa (FL)	
Upsala College (NJ)	
Urbana University (OH)	
Ursuline College (OH)	