

Carnegie Mellon Facts 1991

Volume 5

**Margie Rennick, Editor
University Planning
Carnegie Mellon University
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Foreword

Carnegie Mellon Facts is a compilation of some of the most commonly requested data and statistical information about Carnegie Mellon. It covers a wide variety of topics including admissions, enrollment, teaching, faculty and staff, alumni, University finances and facilities. The source of the data shown in the tables and graphs is internal except where noted. The terms used are defined in the Appendix.

Carnegie Mellon Facts is intended primarily as an internal document, produced annually for use by members of the campus community. We encourage you to keep this book handy and to use it as a reference. We have received many valuable comments about last year's edition, and have made changes and additions wherever possible. We are again soliciting suggestions and comments on the contents, format, and more generally, on ways to improve its usefulness to the campus community. Please tear out the last page of this booklet and respond to the brief questionnaire with your reactions. We will make every effort to respond.

Jeffrey W. Bolton
Director University Planning

Acknowledgements

University Planning wishes to express its gratitude to the individuals from the following departments for providing information for the 1991 Fact Book.

Accounting
Alumni Relations
Dean's Office - Carnegie Institute of Technology
Dean's Office - College of Fine Arts
Dean's Office - College of Humanities and Social Science
Dean's Office - Mellon College of Science
Graduate School of Industrial Administration
Housing System
Human Resources
Office of the Controller
Office of the Provost
Records
Registrar's Office
School of Computer Science
School of Urban and Public Affairs
University Libraries
University Relations
University Teaching Center

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BACKGROUND

The University

Carnegie Mellon is a privately supported research university dedicated to the pursuit of excellence in the creation and dissemination of knowledge and artistic endeavors.

Carnegie Mellon was founded in 1900 as the Carnegie Technical Schools. The first classes were held in 1905. In 1912 the authority to confer degrees was granted and the name was changed to Carnegie Institute of Technology. It became Carnegie Mellon in 1967 when the Carnegie Institute of Technology merged with Mellon Institute, now the Carnegie Mellon Research Institute.

Over the years, Carnegie Mellon has successfully made the shift from a regional technical college to a national university known for its excellence and innovation in education and research. In the last decade, Carnegie Mellon has experienced an unparalleled period of planned growth and development. Undergraduate enrollment has risen 5 percent and has become more geographically diverse, and graduate enrollment has grown by 67 percent. In the future, plans are to maintain stable undergraduate enrollment and to increase graduate enrollment in relation to research initiatives. Also in the last decade, sponsored research has increased by 237% and is expected to continue to grow. These successes can be attributed partly to strategic planning, a continuous process which guides the University in recognizing and seizing new opportunities.

Carnegie Mellon consistently exhibits its leadership by identifying new opportunities for scholarship and research. Carnegie Mellon Research Institute was the first major research institute in the United States when it was established in 1913. The Computer Science Department was one of the nation's first when it was established in 1965.

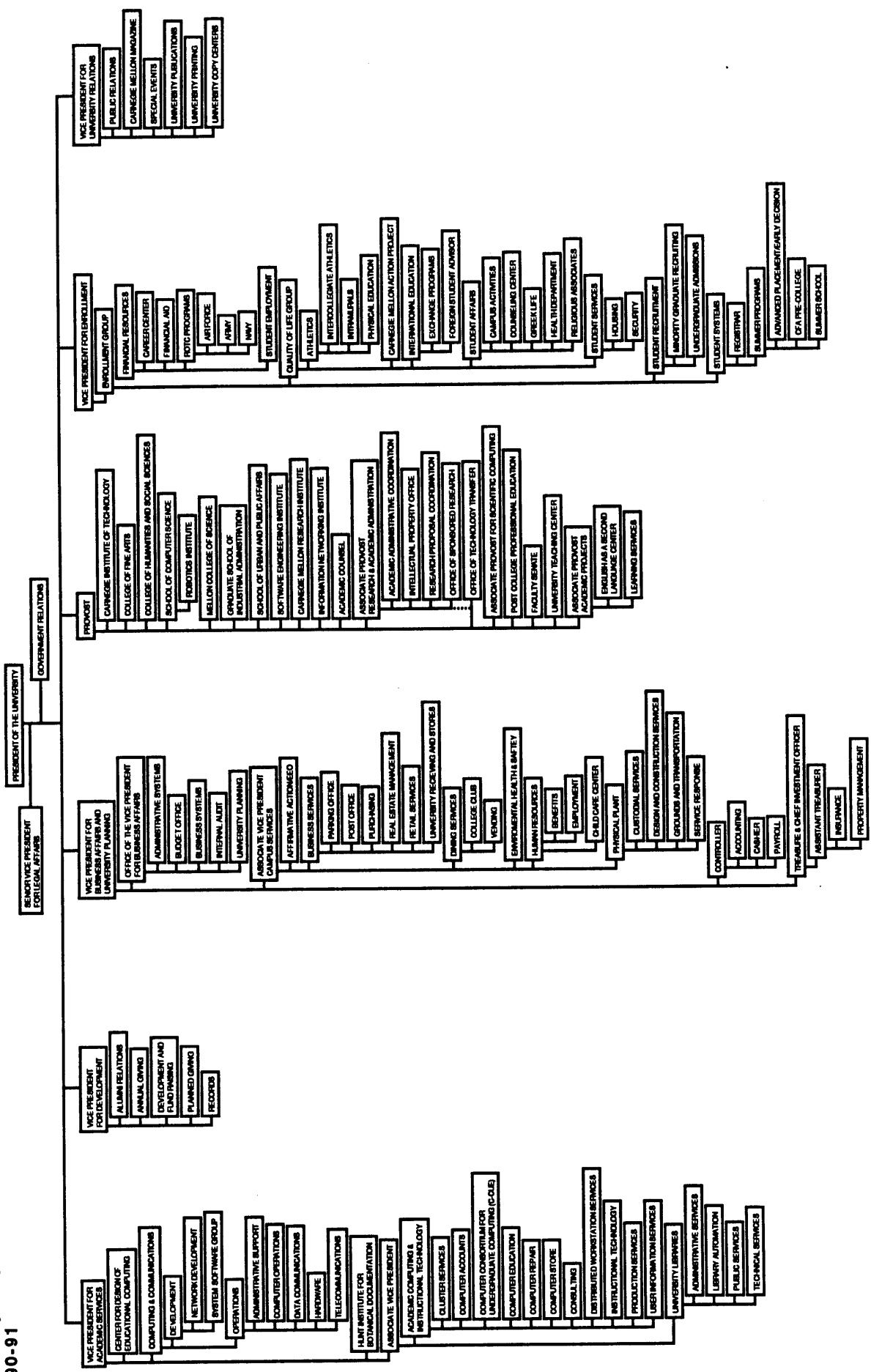
In a strategy which links research efforts with teaching and the dissemination of information, Carnegie Mellon has become an acknowledged leader in the development and application of computing technology in higher education. The pioneering *Andrew* computer network consists of a high speed campus-wide communications network, a network file system, mail and bulletin boards, library information, and connections to approximately 7,200 computers with a variety of different operating systems. Innovation in the use of computing technology is encouraged in all areas of educational endeavor at Carnegie Mellon.

Carnegie Mellon endeavors to expand its role as a leader in the economic revitalization of Pittsburgh and Western Pennsylvania. To this end, Carnegie Mellon joined forces with the University of Pittsburgh in the development and administration of the Western Pennsylvania Advanced Technology Center, sponsored by the state's Ben Franklin Partnership Program. A Department of Defense contract to operate the Software Engineering Institute, established to disseminate software and plan training programs for software engineers, was competitively awarded to Carnegie Mellon in January 1985. In 1986, a consortium of Carnegie Mellon, the University of Pittsburgh and Westinghouse Electric Corporation obtained support to establish the fifth national supercomputing facility in the country. Most recently, Carnegie Mellon, the University of Pittsburgh and the City of Pittsburgh began cooperating in the redevelopment of the former Jones and Laughlin Steel site into a high technology research area.

As part of its commitment to improving the quality of life on campus, Carnegie Mellon is improving the nature and quality of the physical environment. This is occurring through the construction of a number of new buildings, the renovation of existing facilities and the redesign of the campus grounds. The outline for these improvements is contained in a comprehensive campus master plan. Fundraising efforts are aimed at paying for construction of several new facilities. Plans are underway for the University Center and expanded space for the Graduate School of Industrial Administration. Other projects will include construction of a performing arts center, electronics materials laboratory complex, and improvements to undergraduate chemistry labs.

Built upon the strong educational ideals of its founders, Carnegie Mellon has grown into an institution of academic prominence. Rapid development to a leadership position in just three quarters of a century is a tribute to the thousands of men and women who have shaped and influenced the University. The Middle States Association of Colleges and Schools, in its highly complimentary report, noted that Carnegie Mellon "has been very successful in articulating and communicating a sense of excellence and a drive toward greater excellence that seems to permeate the institution, affecting all from trustees to undergraduate students." This standard of excellence is carried beyond the campus in the accomplishments of alumni in diverse fields--most visibly in the performing and visual arts, research, business and computer science. In the decades to come, Carnegie Mellon will continue to build upon these ideals in striving for excellence in its dual commitment to education and research.

**CARNEGIE MELLON UNIVERSITY
University Organizational Chart
1990-91**



CARNEGIE MELLON UNIVERSITY

**Degree Programs
By College and Department
Academic Year 1990-91**

CARNEGIE INSTITUTE OF TECHNOLOGY

Biomedical Engineering

Engineering (Biomedical E. Option)	B.S.
Biomedical E. with CIT Department	M.S.
Biomedical E.	M.S.
Biomedical E. with CIT Department	Ph.D.
Biomedical E.	Ph.D.

Chemical Engineering

Chemical E.	B.S.
Chemical E.	M.S.
Chemical E.	Ph.D.

Civil Engineering

Civil E.	B.S.
Civil E.	M.S.
Civil E.	Ph.D.

Engineering and Public Policy

Engineering Major & EPP	B.S.
EPP	M.S.
Engineering Major & EPP	M.S.
EPP	Ph.D.

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Economics

Economics	B.A.
Economics	B.S.
Managerial Economics	B.S.

English

Literary & Cultural Studies	B.A.
Creative Writing	B.A.
Professional Writing	B.A.
Technical Writing	B.S.
English	M.A.
Professional Writing	M.A.
Literary & Cultural Theory	Ph.D.
Rhetoric	Ph.D.

History

History	B.A.
History	B.S.
Applied History	B.A.
Applied History	B.S.
Interdisciplinary History	B.A.
Interdisciplinary History	B.S.
European Studies (Double Major)	B.A.
Social Science History	B.S.
History	M.A.
Applied History	M.S.
History	Ph.D.
Applied History	Ph.D.

Student Defined

B.A.

Student Defined

B.S.

Electrical and Computer Engineering

Computer E.	B.S.
Electrical E.	B.S.
Electrical and Computer E.	M.S.
Electrical and Computer E.	Ph.D.

Mechanical Engineering

Mechanical E.	B.S.
Mechanical E.	M.E.
Mechanical E.	M.S.
Mechanical E.	Ph.D.

Metallurgical Engineering & Materials

Science

MEMS	B.S.
MEMS	M.E.
MEMS	M.S.
MEMS	Ph.D.

Manufacturing Engineering

Manufacturing Engineering	M.M.E.
Colloids, Polymers, & Surfaces (Interdisciplinary w/ MCS)	M.S.

Modern Languages Program

Modern Languages (Double Major)	B.A.
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Philosophy

Philosophy	B.A.
Logic & Computation	B.S.
Logic & Computation	M.S.
Computational Linguistics	M.S.
Computational Linguistics (w/ U. of Pittsburgh)	Ph.D.
Pure & Applied Logic (w/ Computer Science & Mathematics)	Ph.D.

Psychology

Psychology	B.A.
Psychology	B.S.
Cognitive Science	B.S.
Psychology	Ph.D.

Social and Decision Sciences

Social & Decision Sciences	B.S.
Information & Decision Systems	B.S.
Policy & Management	B.S.
Social & Decision Sciences	Ph.D.
Social Science & Public Policy (w/SUPA)	Ph.D.
Decision Making (w/ Statistics)	Ph.D.

Statistics

Statistics	B.S.
Statistics	M.S.
Statistics	Ph.D.
Decision Making (w/ S.&D.S)	Ph.D.

CARNEGIE MELLON UNIVERSITY

**Degree Programs
By College and Department
Academic Year 1990-91**

COLLEGE OF FINE ARTS

	Master of Arts Management (w/SUPA)	M.A.M.	Drama	
			Drama	B.F.A.
			Costume Design	M.F.A.
Architecture			Directing	M.F.A.
Architecture		B.Arch.	Lighting Design	M.F.A.
Architecture		M.Arch	Playwriting	M.F.A.
(1st Professional Degree)			Production	M.F.A.
Architecture		M.S.	Scene Design	M.F.A.
Architecture		Ph.D.		
			Music	
Art			Music Composition	B.F.A.
Art		B.F.A.	Music Performance	B.F.A.
Art		M.F.A.	Music Composition	M.F.A.
			Music Conducting	M.F.A.
Design			Music Performance	M.F.A.
Graphic Design		B.F.A.		
Industrial Design		B.F.A.		

MELLON COLLEGE OF SCIENCE

Biological Sciences			Mathematics	
Biological Sciences		B.S.	Mathematics	B.S.
Biological Sciences & Humanities or Social Science		B.A.	Mathematics/Computer Science (w/Computer Science)	B.S.
Biological Sciences		Ph.D.	Applied Mathematics (Operations Research)	B.S.
Biological Sciences/Biochemistry (w/Chemistry & Physics)		Ph.D.	Applied Mathematics (Statistics)	B.S.
Biological Sciences/Biophysics (w/Chemistry & Physics)		Ph.D.	Mathematics	M.S.
Biological Sciences/Biochemistry & Biophysics (w/ Chemistry & Physics)		Ph.D.	Applied Mathematics	M.S.
			Mathematics	D.A.
Chemistry			Mathematics	Ph.D.
Chemistry		B.A.	Algorithms, Combinatorics & Optimization (w Computer Science &GSIA)	Ph.D.
Chemistry		B.S.	Pure & Applied Logic (w/ Computer Science & Philosophy)	Ph.D.
Chemistry/Computer Science Track		B.S.		
Chemistry		M.S.	Physics	
Chemical Instrumentation		M.S.	Physics	B.A.
Polymer Science		M.S.	Physics	B.S.
Colloids, Polymers, & Surfaces (w/ Chemical E.)		M.S.	Physics/Computer Science Track	B.S.
Chemistry		Ph.D.	Physics	M.S.
Chemistry/Biochemistry		Ph.D.	Physics	Ph.D.
(w/Biology & Physics)			Applied Physics	Ph.D.
Chemistry/Biophysics		Ph.D.	Physics/Biochemistry (w/Biology & Chemistry)	Ph.D.
(w/Biology & Physics)			Physics/Biophysics	Ph.D.
Chemistry/Biochemistry & Biophysics (w/Biology & Physics)		Ph.D.	Physics/Biochemistry & Biophysics (w/Biology & Chemistry)	Ph.D.
INDUSTRIAL MANAGEMENT				
Industrial Management		B.S.		

CARNEGIE MELLON UNIVERSITY

**Degree Programs
By College and Department
Academic Year 1990-91**

**GRADUATE SCHOOL OF INDUSTRIAL
ADMINISTRATION**

Industrial Administration	M.S.I.A.
Industrial Administration, minor in Public Management & Policy (w/ SUPA)	M.S.I.A.
Industrial Administration	Ph.D.
Accounting	Ph.D.
Algorithms, Combinatorics & Optimization (w/ Computer Science & Mathematics)	Ph.D.
Economics	Ph.D.
Financial Economics	Ph.D.
Information Systems	Ph.D.
Management of Manufacturing & Automation (w/ Robotics Institute)	Ph.D.
Manufacturing and Operations Systems	Ph.D.
Marketing	Ph.D.
Operations Research	Ph.D.
Organizational Psychology & Theory	Ph.D.
Politics and Political Economy	Ph.D.

SCHOOL OF URBAN AND PUBLIC AFFAIRS

Public Management & Policy	M.S.
Public Management & Policy, minor in Business Administration (w/ GSIA)	M.S.
Public Management & Policy & Juris Doctor (w/ U. of Pittsburgh)	M.S.
Urban Development & Management (w/ Architecture)	M.S.
Master of Arts Management (w/ CFA)	M.A.M.
Master of Philosophy	M.Phil.
Master of Public Management	M.P.M.
Public Policy Analysis	Ph.D.
Architecture & Public Policy Analysis (w/ Architecture)	Ph.D.
Political Economy (w/ GSIA and S.&D.S)	Ph.D.
Social Science & Public Policy Analysis (w/ S & D S.)	Ph.D.

SCHOOL OF COMPUTER SCIENCE

Mathematics/Computer science (w/Mathematics)	B.S.
Software Engineering	M.S.
Algorithms, Combinatorics & Optimization (w/GSIA & Mathematics)	Ph.D.
Computer Science	Ph.D.
Robotics	Ph.D.
Pure & Applied Logic (w/ Philosophy & Mathematics)	Ph.D.

CARNEGIE MELLON UNIVERSITY

Information Networking Institute

Information Networking	M.S.
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CARNEGIE MELLON UNIVERSITY

Research Centers and Groups Fall 1990

Carnegie Bosch Institute for Applied Studies in International Management (CBIASIM)
Center for Building Performance and Diagnostics (CBPD)
Center for Dependable Systems (CDS)
Center for the Design of Educational Computing (CDEC)
Center for Economic Development (SUPA CED)
Center for Educational Computing in English (CECE)
Center for Energy and Environmental Studies (CEES)
Center for Engineered Materials (CEM)
Center for Entrepreneurial Development (CED)
Center for Excellence in Optical Data Processing (CEODP)
Center for Fluorescence Research in Biomedical Sciences (CFRBS)
Center for Integrated Manufacturing Decision System (CIMDS)
Center for Iron and Steelmaking Research (CISR)
Center for Labor Studies (CLS)
Center for Machine Translation (CMT)
Center for the Management of Technology (CMT)
Center for Product Research (CPR)
Center for Public Financial Management (CPFM)
Center for Risk Perception and Communication (CRPC)
Center for Solid Waste Management (CSWM)
Center for the Study of Public Policy (CSPP)
Center for the Study of Writing (CSW)
Center for Thin Film Sciences (CTFS)
Coalition to Improve Management in State and Local Government (CIMSLG)
Communications Design Center (CDC)
Data Storage System Center (NSF/ERC DSSC)
Decision Systems Research Institute (DSRI)
Engineering Design Research Center (EDRC)
Field Robotics Center (FRC)

CARNEGIE MELLON UNIVERSITY

**Research Centers and Groups
Fall 1990**

Hunt Institute for Botanical Documentation (HIBD)

Information Networking Institute (INI)

Information Technology Center (ITC)

Laboratory for Automated Systems & Information Processing (LASIP)

Laboratory for Computational Linguistics (LCL)

Carnegie Mellon Research Institute (CMRI)

Advanced Devices and Materials Group (AD&MG)

ASTM Test Monitoring Center (ASTMC)

Battery Technology Center (BTC)

Biotechnology Center (BC)

Center for Human Service Robotics (CHSR)

Center for Metals Production (CMP)

Center for Surfaces and Coatings (CS&C)

Computer Engineering Center (CEC)

High Speed Ground Transportation Center (HSGTC)

High Technology Center (HTC)

Materials Characterization Center (MCC)

Rail Systems Center (RSC)

Research Center on the Materials of the Artist and Conservator (CMA&C)

NMR Facility for Biomedical Studies (NMRFBS)

Pennsylvania SEMATECH Center of Excellence in Rapid Yield Learning (PA SCOE)

Pittsburgh Center for Social History (PCSH) (w/ U. of Pittsburgh)

Pittsburgh NMR Center for Biomedical Research (NMRCBR) (w/ U. of Pittsburgh)

Pittsburgh Supercomputing Center (PSC) (w/ U. of Pittsburgh and Westinghouse)

Program on International Peace and Security (PIPS)

Robotics Institute (RI)

Software Engineering Institute (SEI)

SRC/CMU Research Center for Computer-Aided Design (SCR/CMU-RC-CAD)

☞ Statistical Center for Quality Improvement (SCQI)

Studio for Creative Inquiry (SFCI)

University Teaching Center (UTC)

Urban Systems Institute (USI)

Vision and Autonomous Systems Center (VASC)

CARNEGIE MELLON UNIVERSITY
Endowed and Named Professors
By College
Fall 1990

COLLEGE OF FINE ARTS

Andrew Mellon Professor
Bessie F. Anathan Professor in Fine Arts
Dorothy L. Stubnitz Professor
Nierenberg Professor of Design
Philip Chosky Professor of Drama
T. David Fitzgibbon Chair in Architecture

CARNEGIE INSTITUTE OF TECHNOLOGY

Alumni Chair in Environmental Science and Engineering
Buhl Professor in Electrical Engineering
George Tallman Ladd Research Professor
George Westinghouse Professor of Engineering
Gulf Oil Foundation Chair in Science and/or Engineering Disciplines
John E. Swearingen Chair of Chemical Engineering
Mobay Professor in Chemical Engineering
Posco Professor
R.F. Mehl Professor of Metallurgical Engineering & Materials Science
Rudolph R. & Florence Dean Professor of Chemical Engineering
Theodore Ahrens Professor of Engineering
U.A. & Helen Whitaker Professor of Electronics and Electrical Engineering
U.S. Steel Professor of Metallurgical Engineering & Materials Science
Walter J. Blenko, Sr. Professor of Environmental Engineering
William J. Brown Professor Mechanical Engineering

GRADUATE SCHOOL OF INDUSTRIAL ADMINISTRATION

David M. & Barbara A. Kirr Professor of Organization
David T. & Lindsay J. Morgenthaler Professor of Entrepreneurship
Ford Foundation Distinguished Professor
Heinz Chair in Graduate School of Industrial Administration
IBM Chair in Information Systems at GSIA
James H. Higgins Chair
Richard M. Cyert Professor

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Alumni Professor of Philosophy
D. O. Hebb Professor of Psychology
Howard Heinz Professor of the Humanities
Lee and Marge Gregg Professor of Psychology
Leonard J. Savage Professor of Statistics and Social Sciences
Maurice Falk Professor of Statistics and Social Science
Richard S. Caliguiri Professor of Urban Studies
Thomas Stockham Baker Professor of English Literature
Walter VanDyke Bingham Professor of Psychology and Computer Science

MELLON COLLEGE OF SCIENCE

Alumni Professor of Biological Sciences
Buhl Professor of Theoretical Physics
Eberly Family Chair of Biological Sciences
Lord Professor of Chemistry
Otto Stern Professor of Physics

SCHOOL OF URBAN AND PUBLIC AFFAIRS

Henry J. Heinz, II Professor of Urban Studies
J. Erik Jonsson Professor of Urban Systems and Operations Research

Appointee

Saalman, Howard
Anderson, Barbara J.B.
Olds, Herbert
Not Filled
Yzraely, Yossi
Rusli, Agus

Rubin, Edward
Milnes, Arthur
Hughes, William F.
Casasent, David
Visiting Professor
Westerberg, Arthur W.
Toor, Herbert
Fruehan, Richard J.
Aaronson, Hubert I.
Grossmann, Ignacio E.
Osterle, J. Fletcher
Director, Stephen W.
Paxton, Harold W.
McMichael, Francis C.
Chigier, Norman A.

Salancik, Gerald R.
Thorne, John R.
Meyers, Gerald C.
McCallum, Bennet T.
Thompson, Gerald L.
Lave, Lester B.
Sunder, Shyam

Glymour, Clark
Just, Marcel A.
Stearns, Peter N.
Carpenter, Patricia A.
Kadane, Joseph B.
Fienberg, Stephen E.
Tarr, Joel A.
Steinberg, Erwin R.
Anderson, John R.

Ho, Chien
Cutkosky, Richard E.
Not Filled
Not Filled
Griffiths, Robert B.

Not Filled
Blumstein, Alfred

CARNEGIE MELLON UNIVERSITY

**Endowed and Named Professors
By College
Fall 1990**

CARNEGIE MELLON UNIVERSITY

Alumni University Professor of Industrial Administration and
and Applied Mathematics
Hillman University Professor of Computer Science, Philosophy
and Mathematical Logic
Howard M. Wilcoff University Professor of Electrical and
Computer Engineering
J.M. Olin Professor of Political Economy and Public Policy
John Christian Warner University Professor of Natural Sciences
R.K. Mellon Professor of Computer Science
R.M. Trueblood University Professor of Accounting and Economics
Sun Company University Professor
U.A. & Helen Whitaker University Professor of Computer Science
University Professor
University Professor
University Professor
University Professor of Applied Science
University Professor of Composition
University Professor of Computer Science
University Professor of Electrical and Computer Engineering
William W. Cooper University Professor

Balas, Egon
Scott, Dana S.
Rohrer, Ronald A.
Meltzer, Alan
Pople, John A.
Simon, Herbert A.
Ijiri, Yuji
Fenves, Stephen J.
Newell, Allen
Bothner-By, Askel A.
Wolfenstein, Lincoln
Zener, Clarence
Mullins, William W.
Balada, Leonardo
Reddy, D. Raj
Jordan, Angel
Davis, Otto

CARNEGIE MELLON UNIVERSITY

**College and Department Accreditations
By College
Fall Semester 1990**

College/Department

Accreditation Agency

CARNEGIE MELLON UNIVERSITY

Middle States Association of Colleges and Schools
MSA

CARNEGIE INSTITUTE OF TECHNOLOGY

Accreditation Board for Engineering Technology
ABET

Chemical Engineering
Civil Engineering
Computer Engineering
Electrical Engineering
Engineering and Public Policy
Mechanical Engineering
Metallurgical Engineering and Materials Science

COLLEGE OF FINE ARTS

Architecture

National Architectural Accrediting Board
NAAB

Art
Design

National Association of Schools of Art and Design
NASAD

Music

National Association of Schools of Music
NASM

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Psychology

American Psychological Association
APA
American Psychological Society
APS

**GRADUATE SCHOOL OF INDUSTRIAL
ADMINISTRATION**

American Assembly of Collegiate Schools of Business
AACSB

MELLON COLLEGE OF SCIENCE

Chemistry

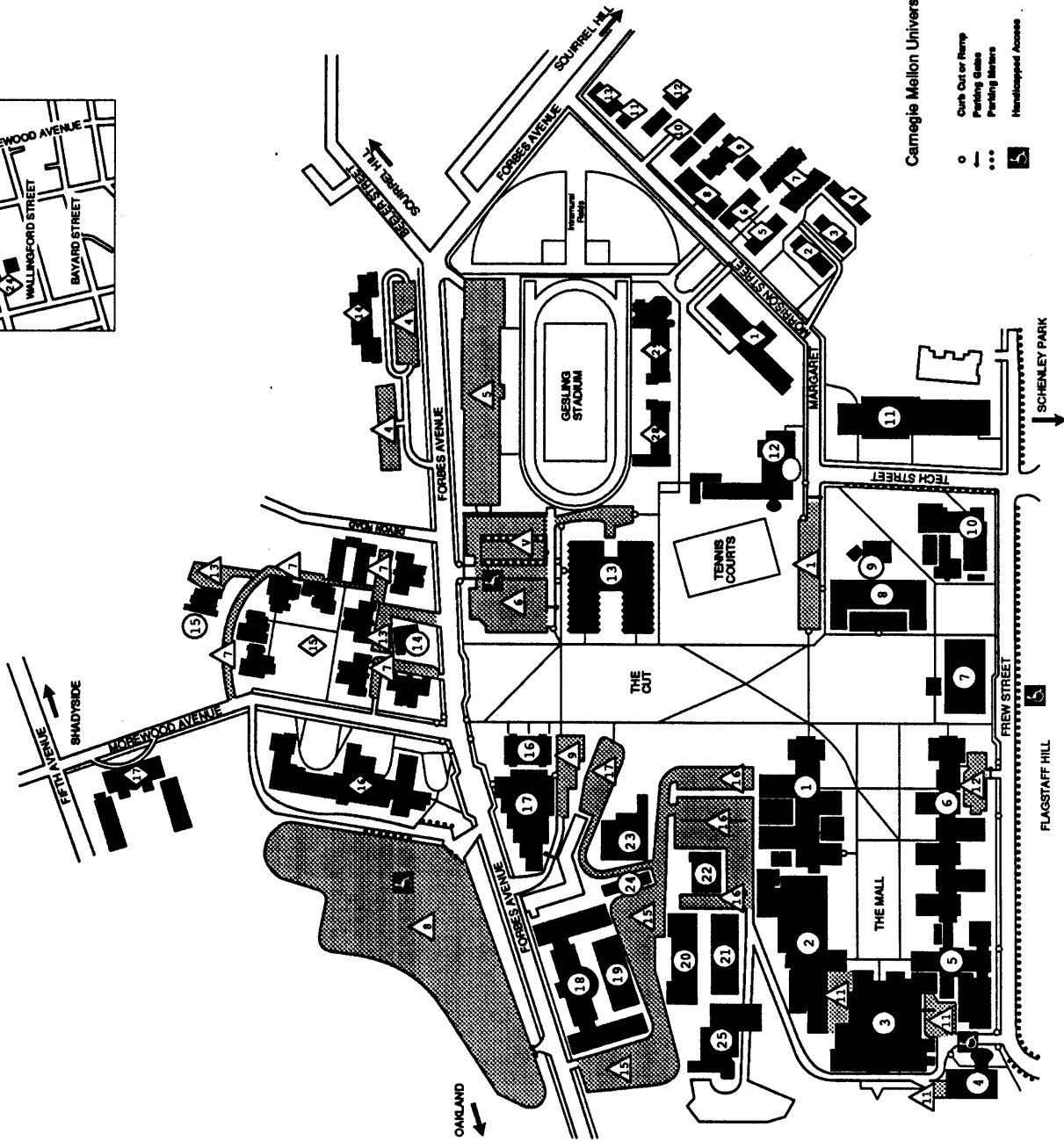
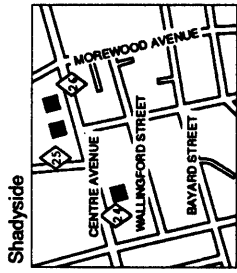
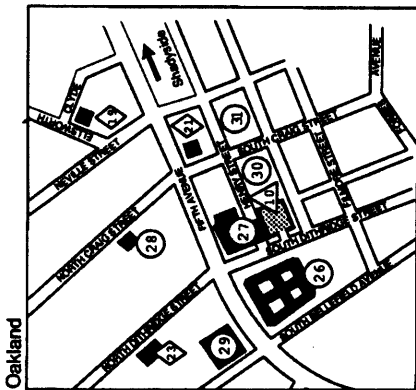
American Chemical Society
ACS

SCHOOL OF URBAN AND PUBLIC AFFAIRS

National Association of Schools of Public Affairs and
Administration
NASPAA

CARNEGIE MELLON UNIVERSITY

Current Campus Map 1990



Carnegie Mellon University 1990

- Curb Out or Ramp
- Parking Garage
- Parking Lot
- Handicapped Access

CARNEGIE MELLON UNIVERSITY

**Current Campus Map
1990 Building and Parking Listing**



PARKING AREAS



RESIDENCE BUILDINGS



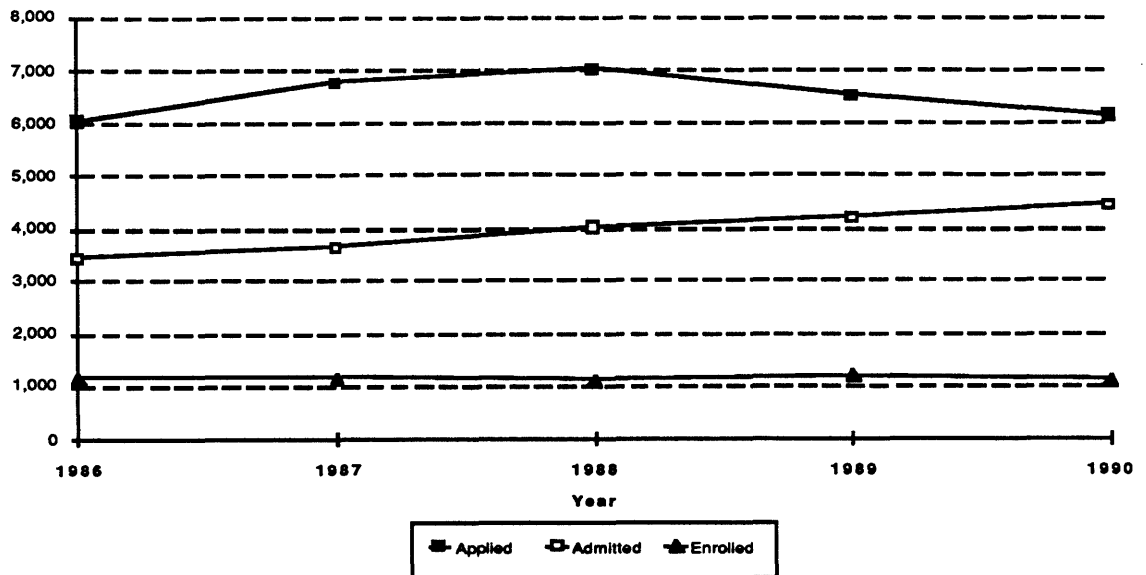
ACADEMIC/ADMINISTRATION BUILDINGS

- | | | |
|---|--|------------------------------------|
| 1 Doherty Hall | 1 Donner Hall | 1 Fine Arts |
| 2 Wean Hall | 2 Scobell Hall | 4 Doherty |
| 3 Hamerslag Hall | 3 Welch Hall | 5 East Campus Garage |
| 4 Scaife Hall | 4 Henderson Hall | 6 Skibo B |
| 5 Porter Hall | 5 Boss Hall | 7 Fraternities |
| 6 Baker Hall | 6 McGill Hall | 8 Morewood |
| 7 Hunt Library | 7 Hamerslag House | 9 Warner |
| 8 College of Fine Arts | 8 Margaret Morrison Sorority Houses | 10 Dithridge Street Garage |
| 9 Studio Theatre | 9 Margaret Morrison Plaza (street level) | 11 Porter-Hamerschlag-Wean |
| 10 Graduate School of Industrial Administration | 9 Margaret Morrison Apartments | 12 Baker |
| 11 Gymnasium | 10 Roselawn Terrace | 13 Bramer House & 5017 Forbes Ave. |
| 12 Margaret Morrison Carnegie Hall | 11 Spirit House | 15 Hamburg Hall |
| 13 Skibo | 12 Tech House | 16 Lower Bureau of Mines |
| 14 5017 Forbes Avenue | 13 Woodlawn Apartments | 17 Upper Bureau of Mines |
| 15 Bramer House | 14 Doherty Apartments | |
| 16 Warner Hall | 15 Fraternity Quadrangle | |
| 17 University Computing Center | 16 Morewood Gardens | |
| 18 Hamburg Hall | 17 Mudge House | |
| 19 Elliot Dunlap Smith Hall | 19 Marybelle Apartments | |
| 20 Field and Mobile Robotics Building | 20 Fifth Neville Apartments | |
| 21 Mine Safety Laboratory Building | 21 Fairfax Apartments | |
| 22 Planetary Robotics Building | 23 Shirley Apartments | |
| 23 Publications & Printing Building | 24 Hampshire Hall | |
| 24 West Garages | 25 Tudor Hall Apartments | |
| 25 Physical Plant Building | 26 Carol Apartments | |
| 26 Mellon Institute | 28 West Wing | |
| 27 Software Engineering Institute | 29 Resnik House | |
| 28 College Club | | |
| 29 Bellefield Towers | | |
| 30 University Technology Development Center | | |
| 31 4616 Henry Street | | |

STUDENTS

CARNEGIE MELLON UNIVERSITY

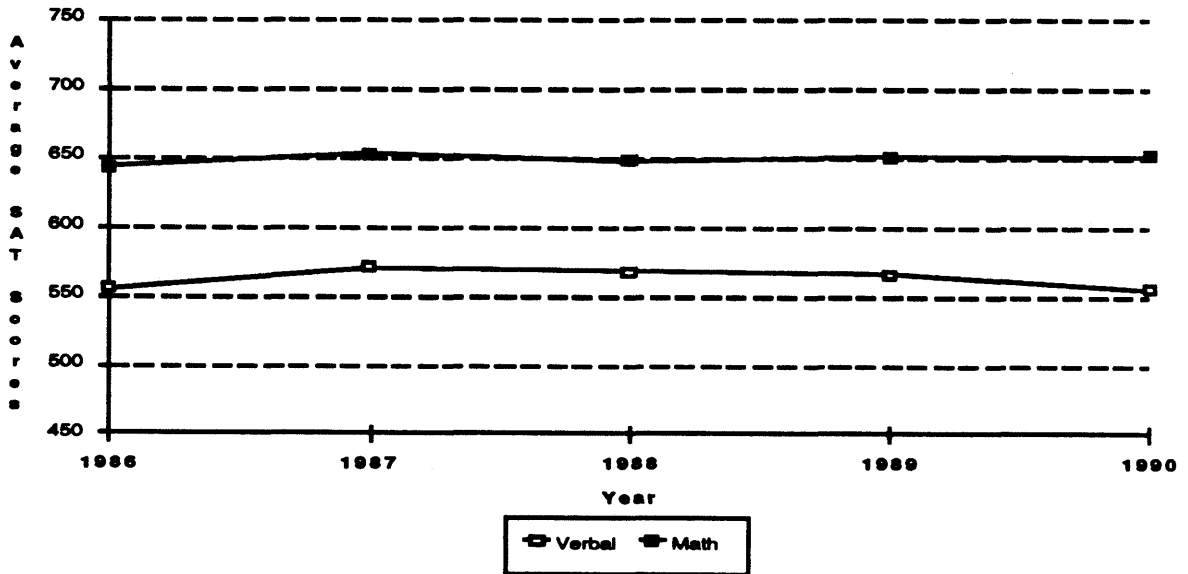
Freshman Applicant Activity Fall Semesters 1986 to 1990



Freshman Applicant Activity By College Entering Fall Semesters 1986 to 1990

College	Applicant Activity	1986	1987	1988	1989	1990
CFA	Applied	1,283	1,462	1,680	1,494	1,489
	Admitted	593	661	667	632	664
	Admitted %	46%	45%	40%	42%	45%
	Enrolled	253	273	276	263	239
	Yield %	43%	41%	41%	42%	36%
CIT	Applied	2,365	2,501	2,304	2,209	1,982
	Admitted	1,109	1,080	1,213	1,349	1,437
	Admitted %	47%	43%	53%	61%	73%
	Enrolled	342	322	320	379	365
	Yield %	31%	30%	26%	28%	25%
H&SS	Applied	1,045	1,242	1,367	1,262	1,113
	Admitted	819	878	981	1,003	1,009
	Admitted %	78%	71%	72%	79%	91%
	Enrolled	266	251	238	249	255
	Yield %	32%	29%	24%	25%	25%
IM	Applied	304	319	409	374	349
	Admitted	161	171	199	229	242
	Admitted %	53%	54%	49%	61%	69%
	Enrolled	50	55	53	69	27
	Yield %	31%	32%	27%	30%	11%
MCS	Applied	1,046	1,233	1,264	1,176	1,214
	Admitted	765	859	930	947	1,052
	Admitted %	73%	70%	74%	81%	87%
	Enrolled	254	235	247	238	246
	Yield %	33%	27%	27%	25%	23%
CMU	Applied	6,043	6,757	7,024	6,515	6,147
	Admitted	3,447	3,649	3,990	4,160	4,404
	Admitted %	57%	54%	57%	64%	72%
	Enrolled	1,165	1,136	1,134	1,198	1,132
	Yield %	34%	31%	28%	29%	26%

**Freshmen Average SAT Scores
CMU and National
Fall Semesters 1986 to 1990**



**Freshman Average SAT Scores
By College
Fall Semesters 1986 to 1990**

College		Average SAT Scores				
		1986	1987	1988	1989	1990
CFA	Verbal	517	538	530	537	536
	Math	560	572	572	589	598
	Total	1,077	1,110	1,102	1,126	1,134
CIT	Verbal	571	582	586	578	561
	Math	701	712	708	698	696
	Total	1,272	1,294	1,294	1,276	1,257
H&SS	Verbal	560	577	562	564	550
	Math	597	624	614	612	606
	Total	1,157	1,201	1,176	1,176	1,156
IM	Verbal	544	554	571	553	534
	Math	648	641	645	651	628
	Total	1,192	1,195	1,216	1,204	1,162
MCS	Verbal	568	586	584	582	568
	Math	686	691	682	677	684
	Total	1,254	1,277	1,266	1,259	1,252
CMU	Verbal	555	570	567	565	554
	Math	642	652	647	649	651
	Total	1,197	1,222	1,214	1,214	1,205
National	Verbal	431	430	428	427	424
	Math	475	476	476	476	476
	Total	906	906	904	903	900

CARNEGIE MELLON UNIVERSITY

Top Ten Competing Schools Entering Freshmen 1986 to 1990

Based on Application Overlap

School	1990	1989	Rank Each Year		
			1988	1987	1986
Cornell	1	1	1	1	1
MIT	2	2	2	2	2
U of Penn	3	3	3	4	4
Princeton	4	4	5	5	5
Penn State	5	6	4	6	5
RPI	6	5	6	3	3
Boston U	7	7	9	11	10
Northwestern	8	8	13	16	9
U. of Michigan	9	12	13	15	29
Washington U	10	9	8	20	13
Yale	10	21	10	7	21
Stanford	12	10	12	9	13
Harvard	13	15	7	8	19
Duke	14	10	19	13	25
Brown	15	13	15	14	8
Lehigh	17	14	11	10	7

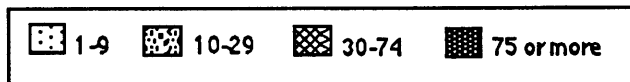
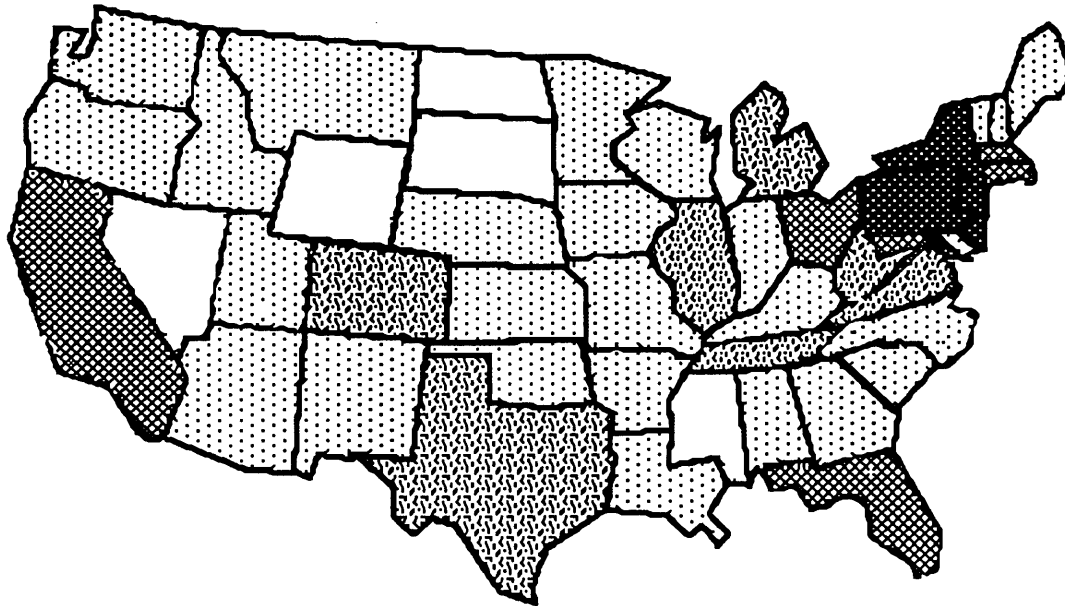
Based on Admittance Overlap

School	1990	1989	Rank Each Year		
			1988	1987	1986
Cornell	1	1	1	3	4
Penn State	2	3	2	2	2
RPI	3	2	3	1	1
Boston U.	4	4	4	4	5
U. of Penn	5	5	8	6	6
Washington U.	6	8	6	11	8
VPI	7	11	15	19	14
Lehigh	8	7	5	5	3
MIT	9	6	9	7	16
U. of Michigan	10	14	14	12	11
John Hopkins	11	13	17	10	12
Syracuse	13	12	7	8	7
Case Western	14	16	23	16	10
Rutgers	15	10	11	9	14
U. of Rochester	28	9	10	13	9

Overlap refers to the number of applicants or admittees who applied or were admitted to Carnegie Mellon and one of the other schools listed.

CARNEGIE MELLON UNIVERSITY

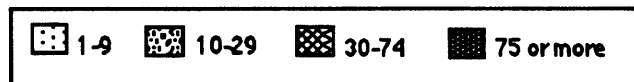
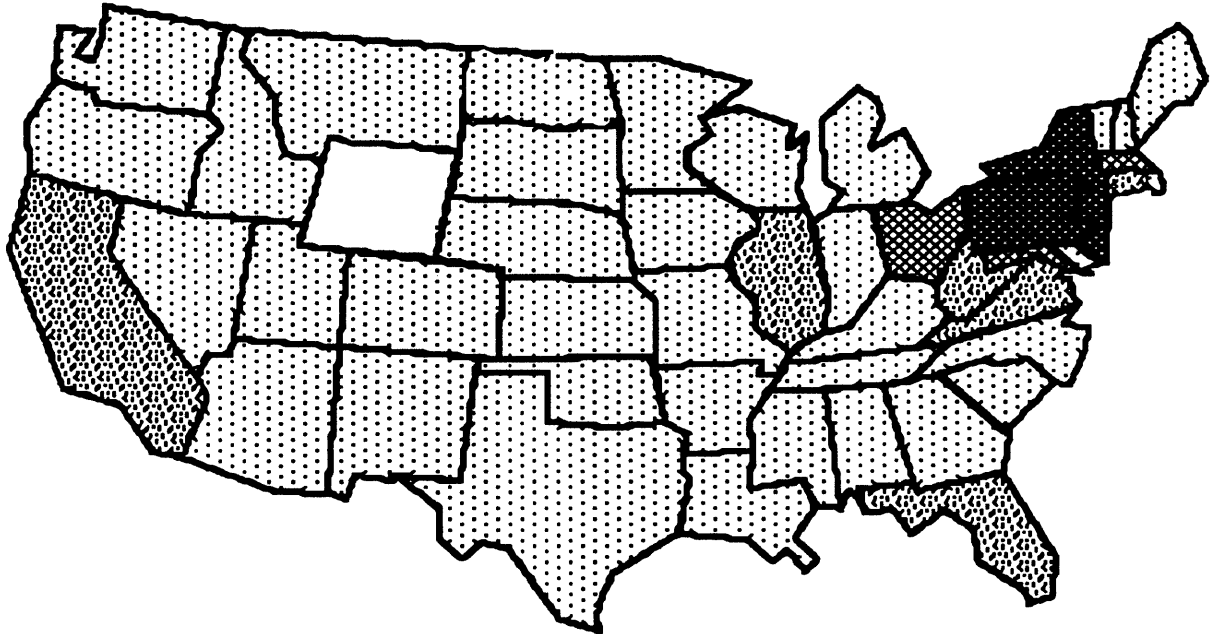
**Enrolled Freshmen
By Region and State
Fall Semester 1990**



REGION/STATE	REGION/STATE	REGION/STATE	REGION/STATE
New England	South	Midwest	West
Connecticut 32	Alabama 4	Illinois 14	Alaska 2
Maine 8	Florida 32	Indiana 1	Arizona 5
Massachusetts 52	Georgia 8	Iowa 1	California 40
New Hampshire 9	Kentucky 3	Kansas 1	Colorado 11
Rhode Island 3	Louisiana 5	Michigan 12	Hawaii 3
Vermont 8	Mississippi 0	Minnesota 6	Idaho 1
TOTAL 112	North Carolina 8	Missouri 6	Montana 1
Percent of Total 10%	South Carolina 6	Nebraska 4	Nevada 0
	Tennessee 13	North Dakota 1	Oregon 5
	Virginia 28	Ohio 61	Utah 1
Middle States	TOTAL 107	South Dakota 1	Washington 7
Delaware 3	Percent of Total 9%	West Virginia 19	Wyoming 0
District of Columbia 5		Wisconsin 7	TOTAL 76
Maryland 51	Southwest	TOTAL 134	Percent of Total 7%
New Jersey 85	Arkansas 2	Percent of Total 12%	
New York 135	New Mexico 3	U.S Territories 2	U.S. Total 1,073
Pennsylvania 340	Oklahoma 5		Percent of Total 95%
TOTAL 619	Texas 13		
Percent of Total 55%	TOTAL 23	Unknown 0	
	Percent of Total 2%		Foreign Countries 59
			TOTAL 1,132

CARNEGIE MELLON UNIVERSITY

**Undergraduate Headcount Enrollment
By Region and State
Fall Semester 1990**



REGION/STATE	REGION/STATE	REGION/STATE	REGION/STATE
New England	South	Midwest	West
Connecticut 122	Alabama 7	Illinois 66	Alaska 5
Maine 23	Florida 87	Indiana 10	Arizona 9
Massachusetts 182	Georgia 30	Iowa 9	California 93
New Hampshire 28	Kentucky 12	Kansas 11	Colorado 42
Rhode Island 17	Louisiana 13	Michigan 44	Hawaii 14
Vermont 13	Mississippi 3	Minnesota 19	Idaho 5
TOTAL 385	North Carolina 32	Missouri 25	Montana 2
Percent of Total 9%	South Carolina 17	Nebraska 9	Nevada 1
	Tennessee 34	North Dakota 1	Oregon 25
Middle States	Virginia 119	Ohio 212	Utah 2
Delaware 10	TOTAL 354	South Dakota 2	Washington 31
District of Columbia 23	Percent of Total 8%	West Virginia 59	Wyoming 0
Maryland 225	Southwest	Wisconsin 25	TOTAL 229
New Jersey 328	Arkansas 4	TOTAL 492	Percent of Total 5%
New York 452	New Mexico 10	Percent of Total 11%	
Pennsylvania 1,516	Oklahoma 11	U.S Territories 7	U.S. Total 4,119
TOTAL 2,554	Texas 43	Unknown 30	Percent of Total 95%
Percent of Total 59%	TOTAL 68		Foreign Countries 208
	Percent of Total 2%		TOTAL 4,327

CARNEGIE MELLON UNIVERSITY

**Headcount Enrollment
By Continent and Country of Citizenship
Fall Semester 1990**

Continent	Country	Undergraduate	Graduate	Special	Total
Africa	Algeria	0	3	0	3
	Botswana	0	4	0	4
	Egypt	2	5	0	7
	Ghana	1	0	0	1
	Guatemala	0	2	0	2
	Guyana	0	1	0	1
	Kenya	1	1	0	2
	Morocco	1	2	0	3
	South Africa	0	2	0	2
	Swaziland	1	0	0	1
	TOTAL		6	20	0
Asia	Bangladesh	0	1	0	1
	British India	0	1	0	1
	China (Peoples Republic)	5	99	0	104
	China (Taiwan)	13	71	0	84
	Cyprus	2	4	0	6
	Hong Kong	19	5	0	24
	India	21	158	1	180
	Indonesia	5	23	0	28
	Iran	0	4	0	4
	Israel	0	20	0	20
	Japan	12	37	0	49
	Jordan	2	1	0	3
	Lebanon	1	3	0	4
	Malaysia	12	11	0	23
	North Korea	2	0	0	2
	Pakistan	3	9	0	12
	Philippines	2	7	0	9
	Singapore	8	6	0	14
	South Korea	19	48	1	68
	Sri Lanka	1	2	0	3
	Syria	0	1	0	1
	Thailand	6	2	0	8
	Turkey	1	12	2	15
United Arab Emirates	1	0	0	1	
TOTAL		135	525	4	664
Australia	Australia	3	3	0	6
	New Zealand	1	1	0	2
	Tonga	0	1	0	1
	TOTAL	4	5	0	9
Europe	Austria	2	3	0	5
	Belgium	2	10	0	12
	Czechoslovakia	0	1	0	1

CARNEGIE MELLON UNIVERSITY

**Headcount Enrollment
By Continent and Country of Citizenship
Fall Semester 1990**

Continent	Country	Undergraduate	Graduate	Special	Total
Europe (cont.)	Denmark	0	4	0	4
	East Germany	2	13	0	15
	France	8	10	0	18
	Greece	0	13	0	13
	Hungary	0	1	0	1
	Iceland	1	3	0	4
	Ireland	0	3	0	3
	Italy	2	9	0	11
	Netherlands	1	4	0	5
	Norway	0	1	0	1
	Poland	0	2	0	2
	Portugal	0	5	0	5
	Romania	0	1	0	1
	Spain	2	17	0	19
	Sweden	1	2	0	3
	Switzerland	10	3	0	13
	United Kingdom	10	15	0	25
	West Germany	1	1	0	2
	Yugoslavia	0	12	0	12
	TOTAL		42	133	0
Central/South America	Argentina	3	3	0	6
	Barbados	2	0	0	11
	Brazil	2	9	0	11
	Chile	0	4	0	11
	Columbia	0	1	0	1
	Costa Rica	0	2	0	1
	Dominican Republic	1	0	0	1
	El Salvador	1	0	0	1
	Ecuador	2	0	0	2
	Guatemala	0	2	0	2
	Jamaica	1	1	0	2
	Mexico	2	17	0	19
	Nicaragua	0	1	0	1
	Panama	0	1	0	1
	Peru	0	1	0	1
	Venezuela	1	2	0	3
TOTAL		15	44	0	59
North America	Canada	4	47	0	51
Other	TOTAL	2	18	0	20
Total Non-US Citizens		208	792	4	1,004
Total US Citizens		4,119	1,916	177	6,212
TOTAL		4,327	2,708	181	7,216

CARNEGIE MELLON UNIVERSITY

**Headcount Enrollment
By Department, Level and Status
Fall Semester 1990**

College	Department	Undergraduate			Graduate			Total Students		
		Full	Part	Total	Full	Part	Total	Full	Part	Total
CFA	Architecture	277	8	285	33	20	53	310	28	338
	Art	215	11	226	7	0	7	222	11	233
	Design	183	8	191	0	0	0	183	8	191
	Drama	164	1	165	26	10	36	190	11	201
	Music	119	0	119	4	57	61	123	57	180
	TOTAL CFA	958	28	986	70	87	157	1,028	115	1,143
CIT	Biomedical E.	0	0	0	2	0	2	2	0	2
	Chemical E.	122	3	125	68	27	95	190	30	220
	Civil E.	95	0	95	61	11	72	156	11	167
	E & C E.	359	10	369	200	36	236	559	46	605
	EPP	0	0	0	27	2	29	27	2	29
	Mfg. E.	0	0	0	12	0	12	12	0	12
	Mechanical E.	213	6	219	74	24	98	287	30	317
	MEMS	69	10	79	50	11	61	119	21	140
	No Major Dept.	373	0	373	0	0	0	373	0	373
	TOTAL CIT	1,231	29	1,260	494	111	605	1,725	140	1,865
GSIA		2	0	2	451	180	631	453	180	633
H&SS	Economics	69	1	70	0	0	0	69	1	70
	English	129	14	143	45	44	89	174	58	232
	History	67	3	70	21	42	63	88	45	133
	IM - H&SS	78	2	80	0	0	0	78	2	80
	Modern Lang.	1	0	1	0	0	0	1	0	1
	Philosophy	7	3	10	21	8	29	28	11	39
	Psychology	46	5	51	32	4	36	78	9	87
	S & D S.	101	3	104	8	2	10	109	5	114
	Statistics	3	0	3	24	6	30	27	6	33
	Student Def'd.	3	0	3	0	0	0	3	0	3
	No Major Dept.	464	5	469	0	0	0	464	5	469
	TOTAL H&SS	968	36	1,004	151	106	257	1,119	142	1,261
	IM		258	4	262	0	0	0	258	4
INI		0	0	0	38	24	62	38	24	62
MCS	Biology	104	1	105	56	2	58	160	3	163
	Chemistry	53	4	57	50	8	58	103	12	115
	Math	212	20	232	40	4	44	252	24	276
	Physics	78	7	85	56	8	64	134	15	149
	No Major Dept.	251	0	251	0	0	0	251	0	251
	TOTAL MCS	698	32	730	202	22	224	900	54	954
SCS	Comp. Sci.	80	3	83	188	19	207	268	22	290
	Robotics	0	0	0	29	1	30	29	1	30
	TOTAL SCS	80	3	83	217	20	237	297	23	320
SUPA		0	0	0	226	309	535	226	309	535
NON-DEGREE		0	0	0	0	0	0	3	178	181
TOTAL		4,195	132	4,327	1,849	859	2,708	6,047	1,169	7,216

CARNEGIE MELLON UNIVERSITY

**Headcount Enrollment
By Department, Level and Sex
Fall Semester 1990**

College	Department	Undergraduate			Graduate			Total Students		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
CFA	Architecture	200	85	285	37	16	53	237	101	338
	Art	91	135	226	5	2	7	96	137	233
	Design	85	106	191	0	0	0	85	106	191
	Drama	97	68	165	21	15	36	118	83	201
	Music	52	67	119	33	28	61	85	95	180
	TOTAL CFA		525	461	986	96	61	157	621	522
CIT	Biomedical E.	0	0	0	1	1	2	1	1	2
	Chemical E.	88	37	125	68	27	95	156	64	220
	Civil E.	70	25	95	62	10	72	132	35	167
	E & C E.	339	30	369	215	21	236	554	51	605
	EPP	0	0	0	23	6	29	23	6	29
	Mfg. E.	0	0	0	12	0	12	12	0	12
	Mechanical E.	198	21	219	90	8	98	288	29	317
	MEMS	64	15	79	54	7	61	118	22	140
	No Major Dept.	328	45	373	0	0	0	328	45	373
	TOTAL CIT		1,087	173	1,260	525	80	605	1,612	253
GSIA		2	0	2	513	118	631	515	118	633
H&SS	Economics	54	16	70	0	0	0	54	16	70
	English	56	87	143	34	55	89	90	142	232
	History	36	34	70	39	24	63	75	58	133
	IM - H&SS	59	21	80	0	0	0	59	21	80
	Modern Lang.	0	1	1	0	0	0	0	1	1
	Philosophy	10	0	10	23	6	29	33	6	39
	Psychology	31	20	51	26	10	36	57	30	87
	S & D S.	65	39	104	8	2	10	73	41	114
	Statistics	2	1	3	20	10	30	22	11	33
	Student Def'd.	1	2	3	0	0	0	1	2	3
	No Major Dept.	255	214	469	0	0	0	255	214	469
	TOTAL H&SS		569	435	1,004	150	107	257	719	542
IM		181	81	262	0	0	0	181	81	262
INI		0	0	0	48	14	62	48	14	62
MCS	Biology	60	45	105	28	30	58	88	75	163
	Chemistry	43	14	57	45	13	58	88	27	115
	Math	186	46	232	38	6	44	224	52	276
	Physics	72	13	85	59	5	64	131	18	149
	No Major Dept.	199	52	251	0	0	0	199	52	251
	TOTAL MCS		560	170	730	170	54	224	730	224
SCS	Comp. Sci.	75	8	83	177	30	207	252	38	290
	Robotics	0	0	0	28	2	30	28	2	30
	TOTAL SCS		75	8	83	205	32	237	280	40
SUPA		0	0	0	235	300	535	235	300	535
NON-DEGREE		0	0	0	0	0	0	106	75	181
TOTAL		2,999	1,328	4,327	1,942	766	2,708	5,047	2,169	7,216

CARNEGIE MELLON UNIVERSITY

**Headcount Enrollment
By Department and Class
Fall Semester 1990**

College	Department	Undergraduate				Total	Graduate	Headcount
		Fresh.	Soph.	Junr.	Senr.		Total	Total
CFA	Architecture	89	61	58	77	285	53	338
	Art	53	52	58	63	226	7	233
	Design	50	46	50	45	191	0	191
	Drama	65	37	35	28	165	36	201
	Music	23	45	30	21	119	61	180
	TOTAL CFA	280	241	231	234	986	157	1,143
CIT	Biomedical E.	0	0	0	0	0	2	2
	Chemical E.	0	56	28	41	125	95	220
	Civil E.	0	43	33	19	95	72	167
	E & C E.	0	144	119	106	369	236	605
	EPP	0	0	0	0	0	29	29
	Mfg. E.	0	0	0	0	0	12	12
	Mechanical E.	3	83	72	61	219	98	317
	MEMS	2	23	17	37	79	61	140
	No Major Dept.	371	2	0	0	373	0	373
TOTAL CIT	376	351	269	264	1,260	605	1,865	
GSIA		0	0	0	2	2	631	633
H&SS	Economics	0	1	34	35	70	0	70
	English	0	2	58	83	143	89	232
	History	0	3	22	45	70	63	133
	IM-H&SS	34	33	13	0	80	0	80
	Modern Lang.	0	0	1	0	1	0	1
	Philosophy	0	0	4	6	10	29	39
	Psychology	1	0	21	29	51	36	87
	S & D S.	0	1	43	60	104	10	114
	Statistics	0	0	2	1	3	30	33
	Student Def'd.	0	0	1	2	3	0	3
	No Major Dept.	229	227	9	4	469	0	469
	TOTAL H&SS	264	267	208	265	1,004	257	1,261
IM		30	46	85	101	262	0	262
INI		0	0	0	0	0	62	62
MCS	Biology	0	41	35	29	105	58	163
	Chemistry	2	22	19	14	57	58	115
	Math	3	35	105	89	232	44	276
	Physics	0	38	24	23	85	64	149
	No Major Dept.	249	0	2	0	251	0	251
TOTAL MCS	254	136	185	155	730	224	954	
SCS	Comp. Sci.	0	73	10	0	83	207	290
	Robotics	0	0	0	0	0	30	30
	TOTAL SCS	0	73	10	0	83	237	320
SUPA		0	0	0	0	0	535	535
NON-DEGREE		0	0	0	0	0	0	181
TOTAL		1,204	1,114	988	1,021	4,327	2,708	7,216

CARNEGIE MELLON UNIVERSITY

**Full-Time Equivalent (FTE) Enrollment
By Department and Class
Fall Semester 1990**

College	Department	Undergraduate					Graduate	FTE
		Fresh.	Soph.	Junr.	Senr.	Total	Total	Total
CFA	Architecture	89.0	61.0	56.3	75.4	281.8	38.4	320.2
	Art	52.4	51.0	54.1	60.4	217.9	7.0	224.9
	Design	50.0	46.0	50.0	39.6	185.6	0.0	185.6
	Drama	65.0	37.0	34.8	28.0	164.8	32.7	197.6
	Music	23.0	45.0	30.0	21.0	119.0	39.0	158.0
	TOTAL CFA	279.4	240.0	225.3	224.4	969.1	117.2	1,086.3
CIT	Biomedical E.	0.0	0.0	0.0	0.0	0.0	2.0	2.0
	Chemical E.	0.0	56.0	27.1	40.0	123.1	75.5	198.6
	Civil E.	0.0	43.0	33.0	19.0	95.0	63.8	158.8
	E & C E.	0.0	144.0	115.9	102.5	362.4	212.5	574.9
	EPP	0.0	0.0	0.0	0.0	0.0	27.3	27.3
	Mfg. E.	0.0	0.0	0.0	0.0	0.0	12.0	12.0
	Mechanical E.	3.0	83.0	69.0	59.8	214.8	80.8	295.6
	MEMS	2.0	21.8	17.0	29.5	70.3	52.2	122.6
	No Major Dept.	371.0	2.0	0.0	0.0	373.0	0.0	373.0
	TOTAL CIT	376.0	349.8	262.0	250.8	1,238.7	526.0	1,764.7
GSIA		0.0	0.0	0.0	2.0	2.0	561.5	563.5
H&SS	Economics	0.0	1.0	34.0	34.2	69.2	0.0	69.2
	English	0.0	2.0	56.5	75.4	133.9	52.6	186.5
	History	0.0	3.0	20.0	44.3	67.3	29.7	96.9
	IM - H&SS	34.0	32.0	12.0	0.0	78.0	0.0	78.0
	Modern Lang.	0.0	0.0	1.0	0.0	1.0	0.0	1.0
	Philosophy	0.0	0.0	4.0	4.3	8.3	23.0	31.3
	Psychology	1.0	0.0	20.5	26.4	47.9	32.6	80.5
	S & D S.	0.0	1.0	42.3	58.8	102.1	8.3	110.4
	Statistics	0.0	0.0	2.0	1.0	3.0	25.4	28.4
	Student Def'd.	0.0	0.0	1.0	2.0	3.0	0.0	3.0
	No Major Dept.	228.3	226.4	7.0	4.0	465.6	0.0	465.6
	TOTAL H&SS	263.3	265.4	200.3	250.3	979.2	171.6	1,150.7
	IM		30.0	46.0	83.8	99.8	259.5	0.0
INI		0.0	0.0	0.0	0.0	0.0	38.0	38.0
MCS	Biology	0.0	41.0	35.0	28.8	104.8	56.8	161.5
	Chemistry	2.0	22.0	18.9	11.5	54.4	52.0	106.4
	Math	3.0	35.0	101.3	82.6	221.9	40.8	262.6
	Physics	0.0	37.5	20.0	21.3	78.8	59.4	138.2
	No Major Dept.	249.0	0.0	2.0	0.0	251.0	0.0	251.0
	TOTAL MCS	254.0	135.5	177.1	144.2	710.8	208.9	919.7
SCS	Comp. Sci.	0.0	73.0	7.0	0.0	80.0	197.7	277.7
	Robotics	0.0	0.0	0.0	0.0	0.0	29.5	29.5
	TOTAL SCS	0.0	73.0	7.0	0.0	80.0	227.2	307.2
SUPA		0.0	0.0	0.0	0.0	322.4	322.4	
NON-DEGREE		0.0	0.0	0.0	0.0	0.0	59.6	
TOTAL		1,202.7	1,109.7	955.5	971.4	4,239.2	2,172.9	6,471.7

CARNEGIE MELLON UNIVERSITY

**Headcount and FTE Enrollment
By College, Level and Status
Fall Semesters 1985 to 1990**

College	Status	1985			1986			1987		
		Underg.	Grad.	Total	Underg.	Grad.	Total	Underg.	Grad.	Total
CFA	Headcount									
	Full	811	85	896	814	88	902	878	87	965
	Part	25	56	81	41	54	95	45	59	104
	Total	836	141	977	855	142	997	923	146	1,069
	FTE	827.6	118.7	946.3	839.5	115.8	955.3	906.1	117.3	1,023.4
CIT	Headcount									
	Full	1,361	451	1,812	1,320	490	1,810	1,238	493	1,731
	Part	42	141	183	31	132	163	38	131	169
	Total	1,403	592	1,995	1,351	622	1,973	1,276	624	1,900
	FTE	1,375.6	501.6	1,877.2	1,326.8	559.0	1,885.8	1,245.8	539.5	1,785.3
GSIA	Headcount									
	Full	0	313	313	0	332	332	0	413	413
	Part	0	55	55	1	116	117	0	162	162
	Total	0	368	368	1	448	449	0	575	575
	FTE	0.0	340.2	340.2	0.6	391.2	391.8	0.0	492.3	492.3
H&SS	Headcount									
	Full	941	109	1,050	952	103	1,055	985	119	1,104
	Part	23	91	114	37	92	129	31	91	122
	Total	964	200	1,164	989	195	1,184	1,016	210	1,226
	FTE	955.6	127.8	1,083.4	975.5	120.1	1,095.6	1,000.8	137.5	1,138.3
IM	Headcount									
	Full	244	0	244	241	0	241	241	0	241
	Part	6	0	6	6	0	6	4	0	4
	Total	250	0	250	247	0	247	245	0	245
	FTE	247.7	0.0	247.7	243.3	0.0	243.3	242.9	0.0	242.9
INI	Headcount									
	Full	0	0	0	0	0	0	0	0	0
	Part	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0
	FTE			0.0			0.0			0.0
MCS	Headcount									
	Full	860	212	1,072	842	194	1,036	779	193	972
	Part	33	15	48	33	29	62	38	27	65
	Total	893	227	1,120	875	223	1,098	817	220	1,037
	FTE	879.4	217.3	1,096.7	856.4	211.2	1,067.6	795.6	197.8	993.4
SCS	Headcount									
	Full	0	125	125	0	140	140	0	161	161
	Part	0	4	4	0	5	5	0	4	4
	Total	0	129	129	0	145	145	0	165	165
	FTE	0.0	127.0	127.0	0.0	148.9	148.9	0.0	163.2	163.2
SUPA	Headcount									
	Full	4	188	192	2	161	163	12	146	158
	Part	0	209	209	0	282	282	1	326	327
	Total	4	397	401	2	443	445	13	472	485
	FTE	4.0	271.0	275.0	2.0	257.3	259.3	13.0	258.8	271.8
TOTAL*	Headcount									
	Full	4,221	1,483	5,717	4,171	1,508	5,685	4,133	1,612	5,749
	Part	129	571	904	149	710	1,067	157	800	1,167
	Total	4,350	2,054	6,621	4,320	2,218	6,752	4,290	2,412	6,916
	FTE	4,289.9	1,703.6	6,077.9	4,244.1	1,803.5	6,123.4	4,204.2	1,906.4	6,182.2

*Total includes Non-Degree Headcount and FTE Enrollment

CARNEGIE MELLON UNIVERSITY

**Headcount and FTE Enrollment
By College, Level and Status
Fall Semesters 1985 to 1990**

College	Status	1988			1989			1990		
		Underg.	Grad.	Total	Underg.	Grad.	Total	Underg.	Grad.	Total
CFA	Headcount									
	Full	888	90	978	933	84	1,017	958	70	1,028
	Part	45	64	109	37	81	118	28	87	115
	Total	933	154	1,087	970	165	1,135	986	157	1,143
FTE	916.0	121.0	1,037.0	953.4	127.2	1,080.6	969.1	117.2	1,086.3	
CIT	Headcount									
	Full	1,189	473	1,662	1,201	446	1,647	1,231	494	1,725
	Part	33	125	158	40	108	148	29	111	140
	Total	1,222	598	1,820	1,241	554	1,795	1,260	605	1,865
FTE	1,200.3	510.3	1,710.6	1,215.4	482.5	1,697.9	1,238.7	526.0	1,764.7	
GSIA	Headcount									
	Full	0	492	492	0	457	457	2	451	453
	Part	0	177	177	0	209	209	0	180	180
	Total	0	669	669	0	666	666	2	631	633
FTE	0.0	579.1	579.1	0.0	568.5	568.5	2.0	561.5	563.5	
H&SS	Headcount									
	Full	1,027	127	1,154	1,031	122	1,153	968	151	1,119
	Part	40	95	135	46	109	155	36	106	142
	Total	1,067	222	1,289	1,077	231	1,308	1,004	257	1,261
FTE	1,049.2	145.8	1,195.0	1,057.6	142.4	1,200.0	979.1	171.6	1,150.7	
IM	Headcount									
	Full	221	0	221	239	0	239	258	0	258
	Part	4	0	4	6	0	6	4	0	4
	Total	225	0	225	245	0	245	262	0	262
FTE	223.3	0.0	223.3	242.8	0.0	242.8	259.5	0.0	259.5	
INI	Headcount									
	Full	0	0	0	0	24	24	0	38	38
	Part	0	0	0	0	0	0	0	24	24
	Total	0	0	0	0	24	24	0	62	62
FTE			0.0		24.0	24.0	0.0	38.0	38.0	
MCS	Headcount									
	Full	764	184	948	732	204	936	698	202	900
	Part	29	32	61	31	34	65	32	22	54
	Total	793	216	1,009	763	238	1,001	730	224	954
FTE	779.3	193.8	973.1	743.0	210.4	953.4	710.8	208.9	919.7	
SCS	Headcount									
	Full	0	155	155	0	180	180	80	217	297
	Part	0	10	10	0	13	13	3	20	23
	Total	0	165	165	0	193	193	83	237	320
FTE	0.0	157.1	157.1	0.0	185.4	185.4	80.0	227.2	307.2	
SUPA	Headcount									
	Full	19	170	189	0	226	226	0	226	226
	Part	0	326	326	0	291	291	0	309	309
	Total	19	496	515	0	517	517	0	535	535
FTE	19.0	269.1	288.1	0.0	312.7	312.7	0.0	322.4	322.4	
TOTAL*	Headcount									
	Full	4,108	1,691	5,806	4,136	1,743	5,886	4,195	1,849	6,047
	Part	151	829	1,187	160	845	1,213	132	859	1,169
	Total	4,259	2,520	6,993	4,296	2,588	7,099	4,327	2,708	7,216
FTE	4,187.1	1,976.2	6,239.3	4,212.2	2,053.1	6,341.3	4,239.2	2,172.9	6,471.7	

*Total includes Non-Degree Headcount and FTE Enrollment

CARNEGIE MELLON UNIVERSITY

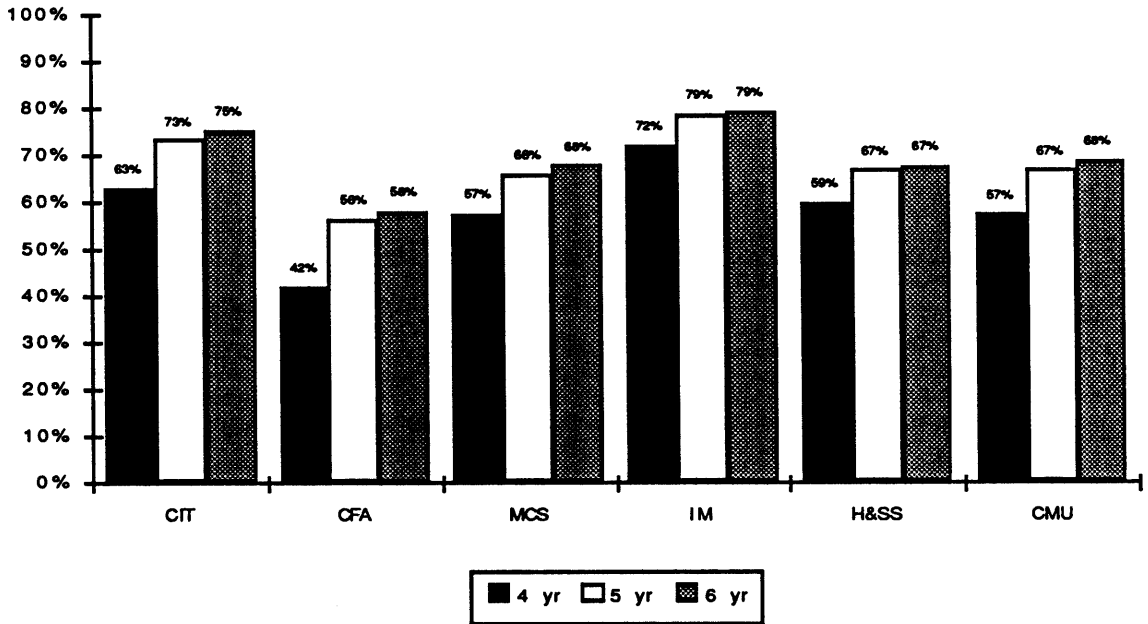
**Distribution of Students
By Housing Type, Level and Sex
Fall Semester 1990**

	<u>Carnegie Mellon Housing</u>			<u>Fraternity & Sorority</u>	<u>Non-CMU Housing</u>	<u>TOTAL</u>
	<u>On-Campus</u>	<u>Off-Campus</u>	<u>Total</u>			
Undergraduate						
Freshman						
Male	765	65	830	0	25	855
Female	316	6	322	0	27	349
TOTAL	1,081	71	1,152	0	52	1,204
Sophomore						
Male	490	71	561	190	20	771
Female	232	18	250	30	63	343
TOTAL	722	89	811	220	83	1,114
Junior						
Male	276	40	316	135	230	681
Female	146	14	160	25	122	307
TOTAL	422	54	476	160	352	988
Senior						
Male	145	24	169	95	428	692
Female	119	20	139	25	165	329
TOTAL	264	44	308	120	593	1,021
Undergraduate						
Male	1,676	200	1,876	420	703	2,999
Female	813	58	871	80	377	1,328
TOTAL	2,489	258	2,747	500	1,080	4,327
Graduate						
Male	0	0	0	0	1,942	1,942
Female	0	0	0	0	766	766
TOTAL	0	0	0	0	2,708	2,708
Non-Degree						
Male	0	0	0	0	106	106
Female	0	0	0	0	75	75
TOTAL	0	0	0	0	181	181
TOTAL						
Male	1,676	200	1,876	420	2,751	5,047
Female	813	58	871	80	1,218	2,169
TOTAL	2,489	258	2,747	500	3,969	7,216

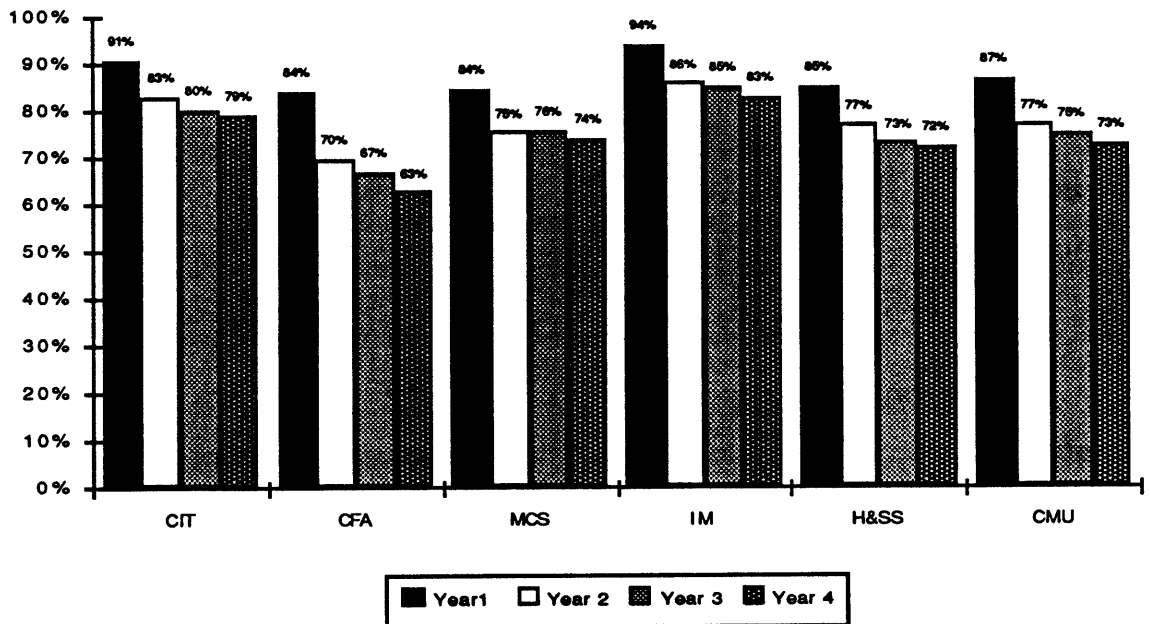
CARNEGIE MELLON UNIVERSITY

**Average Within University Graduation and Persistence Rates by College and for CMU
As of Fall 1989**

Average Within University Graduation Rate by College and for CMU



Average Within University Persistence Rate by College and for CMU



Notes: Persistence is the sum of those enrolled and those who have graduated. Within university rates denote the college in which the student originally enrolled.

CARNEGIE MELLON UNIVERSITY

**Total Degrees Granted
By Department and Level
Academic Year 1989-90**

College		Bachelors	Masters	Doctorates	TOTAL
	Department				
CFA					
	Architecture	33	28	0	61
	Art	43	8	0	51
	Design	44	0	0	44
	Drama	28	13	0	41
	Music	25	13	0	38
	TOTAL CFA	173	62	0	235
CIT					
	Biomed. E.	0	0	0	0
	Chemical E.	30	11	12	53
	Civil E.	24	15	7	46
	E & C E.	100	41	36	177
	E. & P P	0	2	6	8
	Mfg. E.	0	0	0	0
	Mechanical E.	69	16	7	92
	MEMS	13	11	9	33
	TOTAL CIT	236	96	77	409
GSIA		0	282	10	292
H&SS					
	Economics	31	0	0	31
	English	87	19	3	109
	History	25	11	4	40
	Philosophy	6	1	0	7
	Psychology	19	6	3	28
	S & D S.	50	0	1	51
	Statistics	1	10	4	15
	Student Defined	2	0	0	2
	TOTAL H&SS	221	47	15	283
IM		93	0	0	93
MCS					
	Biology	18	1	7	26
	Chemistry	24	8	7	39
	Math	102	7	7	116
	Physics	27	11	9	47
	TOTAL MCS	171	27	30	228
SCS					
	Comp. Sci.	0	11	19	30
	Robotics	0	0	1	1
	TOTAL SCS	0	11	20	31
SUPA		0	162	9	171
	TOTAL	894	687	161	1,742

CARNEGIE MELLON UNIVERSITY

**Total Degrees Granted
By College and Level
Academic Years 1985-86 to 1989-90**

College		1985-86	1986-87	1987-88	1988-89	1989-90
Degrees						
CFA	Bachelors	152	146	182	147	173
	Masters	47	37	53	53	62
	Doctorates	0	0	1	0	0
	TOTAL CFA	199	183	236	200	235
CIT	Bachelors	271	312	289	277	236
	Masters	131	148	136	137	96
	Doctorates	51	44	61	75	77
	TOTAL CIT	453	504	486	489	409
GSIA	Masters	129	152	186	261	282
	Doctorates	5	13	10	8	10
	TOTAL GSIA	134	165	196	269	292
H&SS	Bachelors	167	160	199	203	221
	Masters	39	48	36	49	47
	Doctorates	19	17	22	30	15
	TOTAL H&SS	225	225	257	282	283
IM	Bachelors	88	94	90	112	93
	TOTAL IM	88	94	90	112	93
MCS	Bachelors	181	205	198	156	171
	Masters	46	36	22	35	27
	Doctorates	26	21	30	25	30
	TOTAL MCS	253	262	250	216	228
SCS	Masters	9	7	12	16	11
	Doctorates	11	11	15	14	20
	TOTAL CS	20	18	27	30	31
SUPA	Masters	150	177	157	186	162
	Doctorates	3	4	4	5	9
	TOTAL SUPA	153	181	161	191	171
CMU	Bachelors	859	917	958	895	894
	Masters	551	605	602	737	687
	Doctorates	115	110	143	157	161
	TOTAL	1,525	1,632	1,703	1,789	1,742

TEACHING AND ACADEMIC SUPPORT

CARNEGIE MELLON UNIVERSITY

**Units Taught
By Department, Semester and Level
Academic Year 1989-90**

College	Department	Fall Semester				Spring Semester				YEAR TOTAL
		Underg.	Grad.	Other	Total	Underg.	Grad.	Other	Total	
CFA	Architecture	8,193	2,059	6	10,258	7,215	1,492	9	8,716	18,974
	Art	8,446	447	60	8,953	8,833	474	96	9,403	18,356
	Design	8,268	90	0	8,358	7,509	111	42	7,662	16,020
	Drama	8,465	1,418	20	9,903	7,506	1,286	3	8,795	18,698
	Music	7,143	1,110	33	8,286	7,239	1,179	51	8,469	16,755
	Interdiscp.	1,329	105	87	1,521	1,857	87	6	1,950	3,471
	TOTAL CFA	41,844	5,229	206	47,279	40,159	4,629	207	44,995	92,274
CIT	Biomedical E.	609	9	27	645	648	45	30	723	1,368
	Chemical E.	2,706	2,694	18	5,418	1,559	2,567	12	4,138	9,556
	Civil E.	2,163	2,248	18	4,429	2,331	2,319	39	4,689	9,118
	E & C.E.	7,737	9,500	246	17,483	8,959	9,281	174	18,414	35,897
	EPP	2,137	853	12	3,002	2,882	901	9	3,792	6,794
	Mechanical E.	6,790	3,192	58	10,040	5,488	2,890	48	8,426	18,466
	MEMS	2,174	2,541	39	4,754	2,600	2,397	0	4,997	9,751
	Interdiscp.	1,179	318	18	1,515	501	189	0	690	2,205
TOTAL CIT	25,495	21,355	436	47,286	24,968	20,589	312	45,869	93,155	
GSIA	Economics	8,757	63	36	8,856	7,497	0	9	7,506	16,362
	IM	9,054	27	144	9,225	11,923	54	72	12,049	21,274
	GSIA	42	29,325	144	29,511	48	25,820	138	26,006	55,517
	TOTAL GSIA	17,853	29,415	324	47,592	19,468	25,874	219	45,561	93,153
H&SS	English	13,059	1,528	336	14,923	13,251	1,450	231	14,932	29,855
	History	16,319	1,500	339	18,158	11,514	1,026	63	12,603	30,761
	Mod. Lang.	0	0	0	0	3,972	522	144	4,638	4,638
	Philosophy	4,185	227	126	4,538	3,666	320	252	4,238	8,776
	Psychology	7,818	1,566	252	9,636	6,825	1,326	117	8,268	17,904
	S & D S.	6,489	159	57	6,705	6,073	142	36	6,251	12,956
	Statistics	5,598	1,883	30	7,511	4,179	1,535	39	5,753	13,264
	Interdiscp.	117	0	0	117	284	0	27	311	428
TOTAL H&SS	53,585	6,863	1,140	61,588	49,764	6,321	909	56,994	118,582	
MCS	Biology	4,406	2,357	63	6,826	3,241	2,067	54	5,362	12,188
	Chemistry	9,856	2,243	66	12,165	5,406	2,010	10	7,426	19,591
	Math	21,414	1,875	272	23,561	17,377	1,942	211	19,530	43,091
	Physics	12,476	2,571	58	15,105	10,588	2,404	68	13,060	28,165
	Interdiscp.	0	0	0	0	0	18	0	18	18
TOTAL MCS	48,152	9,046	459	57,657	36,612	8,441	343	45,396	103,053	
SCS	Comput. Sci.	7,646	6,834	160	14,640	10,424	7,186	227	17,837	32,477
	Robotics	0	603	0	603	0	696	36	732	1,335
	TOTAL SCS	7,646	7,437	160	15,243	10,424	7,882	263	18,569	33,812
SUPA		828	16,268	36	17,132	810	14,641	12	15,463	32,595
	OTHER	4,980	189	296	5,465	4,755	231	158	5,144	10,609
TOTAL		200,383	95,802	3,057	299,242	186,960	88,608	2,423	277,991	577,233

CARNEGIE MELLON UNIVERSITY

**Units Taught
By College and Level
Academic Years 1985-86 to 1989-90**

College	Level	1985-86	1986-87	1987-88	1988-89	1989-90
CFA	Undergraduate	67,801	70,368	80,914	81,518	82,003
	Graduate	9,924	9,978	9,404	9,896	9,858
	Other	564	683	490	649	413
	TOTAL CFA	78,289	81,029	90,808	92,063	92,274
CIT	Undergraduate	60,179	60,749	57,793	53,162	50,463
	Graduate	41,359	44,342	44,425	42,480	41,944
	Other	1,117	803	982	757	748
	TOTAL CIT	102,655	105,894	103,200	96,399	93,155
GSIA	Undergraduate	37,347	36,483	38,223	36,900	37,321
	Graduate	37,480	40,674	50,693	61,020	55,289
	Other	294	540	531	597	543
	TOTAL GSIA	75,121	77,697	89,447	98,517	93,153
H&SS	Undergraduate	100,705	104,656	103,590	104,892	103,349
	Graduate	10,441	10,597	12,773	13,171	13,184
	Other	1,626	1,920	1,963	2,259	2,049
	TOTAL H&SS	112,772	117,173	118,326	120,322	118,582
MCS	Undergraduate	91,478	85,784	79,180	78,830	84,764
	Graduate	17,890	16,571	15,895	14,942	17,487
	Other	789	583	575	525	802
	TOTAL MCS	110,157	102,938	95,650	94,297	103,053
SCS	Undergraduate	19,430	20,568	17,584	16,838	18,070
	Graduate	10,219	11,230	12,896	12,581	15,319
	Other	541	736	562	496	423
	TOTAL SCS	30,190	32,534	31,042	29,915	33,812
SUPA	Undergraduate	480	738	1,254	2,037	1,638
	Graduate	27,885	26,295	26,180	28,147	30,909
	Other	288	333	207	144	48
	TOTAL SUPA	28,653	27,366	27,641	30,328	32,595
OTHER	Undergraduate	8,199	7,487	7,825	9,388	9,735
	Graduate	241	222	331	476	420
	Other	164	159	173	436	454
	TOTAL OTHER	8,604	7,868	8,329	10,300	10,609
CMU	Undergraduate	385,619	386,833	386,363	383,565	387,343
	Graduate	155,439	159,909	172,597	182,713	184,410
	Other	5,383	5,757	5,483	5,863	5,480
TOTAL	546,441	552,499	564,443	572,141	577,233	

CARNEGIE MELLON UNIVERSITY

**Academic Computing Statistics
Fiscal Years 1989 and 1990**

Change in Network Connections

	<u>Total 1989</u>	<u>Admin/Acad 1990</u>	<u>Dormitory 1990</u>	<u>Total 1990</u>
Token Ring	1,386	1,383	44	1,427
Apple Talk	1,227	1,157	468	1,625
Ethernet	1,002	1,163	N/A	1,163
Total Network Connections	3,615	3,703	512	4,215
Total Asynchronous Connections	3,500	3,000	N/A	3,000
TOTAL	7,115	6,703	512	7,215

Selected Instructional Technology Equipment

	<u>Total 1989</u>	<u>Change in 1990</u>	<u>Total 1990</u>
Video/Data Projectors	2	4	6
VCRs	24	-1	23
Video/Data Monitors	13	9	22
Slide Projectors	3	15	18
Tape Players	0	21	21
Sound Systems	2	4	6
Overhead Projectors	9	5	14
Videodisc Players	12	-3	9
Personal Computers	4	1	5
Computer Interfaces	15	-6	9
TOTAL	84		133

Computer Types in Public Clusters

	<u>1989</u>	<u>1990</u>
IBM RT	76	3
IBM PC	38	23
IBM PS/2	13	21
IBM 6152	21	0
Mac II	36	45
Macintosh	110	104
Sun 3/60	22	22
DECstation 3100	5	106
MicroVAX	4	0
NeXt	0	13
TOTAL	325	337

PC Store Purchases

	<u>1989</u>	<u>1990</u>
Students	599	572
Faculty	52	64
Staff	94	122
Departments	501	575
TOTAL	1,246	1,333

CARNEGIE MELLON UNIVERSITY

**Academic Services Statistics
Library and Instructional Technology Collections and Resources
Fiscal Years 1989 and 1990**

	1989	1990
Library Holdings		
Books, Bound Serials and Government Documents*	740,482	767,307
Current Subscriptions--Periodicals, Newspapers and Government Documents	4,315	4,276
Microforms--Books, Serial Titles, Government Documents	544,144	591,699
Graphic Materials--Art Reproductions (Mounted and Unmounted), Slides*	173,870	177,646
Audio Materials--Cassettes, Phonograph Records, Compact Discs, Tapes	12,558	14,865
Video Materials	937	1,569
Machine Readable Materials	285	385
Music Scores	26,135	26,071

*number of volumes/units

	1989	1990
Instructional Technology Use		
Photocopies Made in Libraries	2,023,698	1,995,753
Microform Copies Made in Libraries	141,806	108,032
Video Tapes Viewed	8,115	13,187

	1989	1990
Number of Visits to the Libraries		
Engineering and Science Library	220,487	221,229
Hunt Library	650,184	873,199
Mellon Institute Library	6,182	N/A

Computerized Library Resources Fiscal Year 1990
LS/2000 is a computerized catalog and circulation system that provides online access to the majority of the libraries' holdings for books, journals, technical reports, government documents, musical scores, sound recordings and educational software. The LIS contains 15 online databases on a variety of topics.

	# Searches Performed Fiscal Year 89	# Searches Performed Fiscal Year 90	# of Database Records 89	# of Database Records 90
LS/2000	502,249	632,162	330,862	354,164
LIS--15 databases: *				
Announcements **	702	4319	1	1
ArchPics	2,132	2,637	4,058	4,058
Bibliographies	2,106	2,971	240	240
Computer Database	15,157	18,769	128,962	161,390
Dictionary	23,898	37,224	83,713	83,713
Encyclopedia	46,188	68,262	44,097	44,097
ICPSR	849	932	1,333	1,333
INSPEC		13,783		627,414
Journal List	26,679	34,723	8,336	8,396
Library Catalog	235,284	311,734	330,862	354,164
Magazine Index	53,202	63,307	1,043,175	1,192,163
Management Contents	6,380	6,232	36,849	44,533
Newspaper Index	16,992	19,572	718,183	905,836
Trade & Industry	8,777	10,144	802,737	976,040
Who's Who at CMU ***	26,204	58,717	10,437	10,605
TOTAL	464,550	653,326	3,212,983	4,413,983

* Number of Searches Performed from Oct.89-June 90

** Introduced in May 1989

*** Introduced in February 1989

CARNEGIE MELLON UNIVERSITY

Teaching and Academic Support Additional Facts and Figures

Units Taken at PCHE Colleges* by CMU Students, by Level and College Units Taught to PCHE Students, by College Academic Year 1989-90

Major/College	Units Taken			Units Taught
	Undergraduate	Graduate	Total	
CFA	448	108	556	108
CIT	207	45	252	192
GSIA	0	111	111	81
H&SS	930	180	1,110	639
IM	63	0	63	9
MCS	393	33	426	129
SCS	0	57	57	73
SUPA	0	207	207	24
OTHER	0	0	0	306
TOTAL	2,041	741	2,782	1,561

*Pittsburgh Council of Higher Education (PCHE) Colleges:

Allegheny Community College	Duquesne University*	Point Park College
Carlow College	La Roche College	Robert Morris College
Chatham College*	Pittsburgh Theological Sem.*	University of Pittsburgh*

*Units Taken by CMU Students.

The University Teaching Center

The University Teaching Center, initiated in January 1982, conducts programs and offers services to upgrade the quality of teaching at Carnegie Mellon. Most of these programs are conducted by faculty members in conjunction with Center personnel. The programs are as follows.

For Faculty Members:

- Incoming faculty orientation.
- Faculty Luncheon Seminars on Teaching--six to eight each fall.
- Classroom Observation and Feedback
- Videotaping services--providing taping and confidential feedback of classroom teaching
- Assistance to faculty members in obtaining feedback from students.
- Consultations about Faculty Course Evaluations.
- Trouble shooting.
- A publication series on University Teaching.
- Supervision of the Educational Facilities Committee which oversees classroom renovations.

For Graduate Students:

- Workshops for Teaching Assistants.
- Assistance to departments which are developing teaching components of Ph.D. programs.

FACULTY AND STAFF

CARNEGIE MELLON UNIVERSITY

**Full Time Employees
By Division and Job Category
Fall 1990**

Division	Job Category								TOTAL
	Admin.	Reg. Faculty	Other Instr.	Resrch	Profsnl.	Sec./ Cler.	Tech./ Parap.	Other	
President	2	2.00	0	0	0	3	0	1	8
Provost									
CFA	12	91.80	20	3	1	17	17	0	162
CIT	25	119.45	13	75	3	46	20	8	309
CMRI	26	0.00	0	53	2	20	13	0	114
GSIA	33	66.42	11	1	5	36	6	0	158
H&SS	16	106.25	20	30	16	36	17	0	241
MCS	33	99.30	15	104	13	34	35	2	335
SEI	21	0.00	1	141	15	35	4	2	219
SCS	27	39.50	7	224	5	36	19	0	358
SUPA	15	26.78	1	6	1	22	4	0	76
Academic Subtotal	208	<u>549.50</u>	88	637	61	282	135	12	1,973
Other Provost	2	8.50	1	0	6	12	0	0	30
Provost Subtotal	210	558	89	637	67	294	135	12	2,002
VP Academic Services	25	2.00	1	26	49	20	26	0	149
Assoc VP Acad Svcs/ Libraries	10	0.00	27	1	5	33	7	1	84
VP Business Affairs & Planning	32	0.00	0	0	59	40	0	0	131
Campus Services	35	0.00	14	1	15	52	6	163	286
VP Development	29	0.00	0	0	5	20	0	0	54
VP Enrollment	55	1.00	16	0	20	49	2	45	188
VP University Relations	10	0.00	1	0	11	21	7	0	50
TOTAL	408	563	148	665	231	532	183	222	2,952

CARNEGIE MELLON UNIVERSITY

**Total Faculty
By Department, Category, and Status
Fall 1990**

College	Department	Regular Faculty	Research Faculty	Special Faculty*			TOTAL FACULTY
		Full	Full	Full	Part	Total	
CFA	Architecture	19.50	0.00	6.00	11.00	17.00	36.50
	Art	16.00	0.00	5.00	7.00	12.00	28.00
	Design	16.00	0.00	1.00	4.00	5.00	21.00
	Drama	18.00	0.00	7.00	2.00	9.00	27.00
	Music	22.30	0.00	0.00	45.00	45.00	67.30
	Pre-Col Art	0.00	0.00	0.00	8.00	8.00	8.00
	Pre-Col Music	0.00	0.00	0.00	18.00	18.00	18.00
	SFCI	0.00	0.00	2.00	0.00	2.00	2.00
	Dean's Ofc.	0.00	0.00	0.00	3.00	3.00	3.00
	TOTAL CFA	91.80	0.00	21.00	98.00	119.00	210.80
CIT	Biomedical E.	1.00	0.00	0.00	1.00	1.00	2.00
	Chemical E.	16.50	1.00	3.00	2.00	5.00	22.50
	Civil E.	15.50	0.00	3.00	1.00	4.00	19.50
	E & C E.	34.70	1.00	11.00	1.00	12.00	47.70
	EPP	8.65	1.00	2.00	2.00	4.00	13.65
	Mechanical E.	23.60	0.00	4.00	2.00	6.00	29.60
	MEMS	19.50	1.00	13.00	1.00	14.00	34.50
	EDRC	0.00	4.00	3.00	0.00	3.00	7.00
	TOTAL CIT	119.45	8.00	39.00	10.00	49.00	176.45
CMRI	0.00	2.00	1.00	0.00	1.00	3.00	
GSIA	66.42	0.00	12.00	11.00	23.00	89.42	
H&SS	English	25.50	0.00	0.00	8.00	8.00	33.50
	History	20.75	0.00	1.00	3.00	4.00	24.75
	Mod. Lang.	1.50	0.00	10.00	7.00	17.00	18.50
	Philosophy	11.00	1.00	4.00	4.00	8.00	20.00
	Psychology	19.00	0.00	16.00	4.00	20.00	39.00
	S & D S.	17.00	0.00	1.00	0.00	1.00	18.00
	Statistics	11.00	1.00	3.00	1.00	4.00	16.00
	Dean's Ofc.	0.50	0.00	0.00	0.00	0.00	0.50
	TOTAL H&SS	106.25	2.00	35.00	27.00	62.00	170.25
INI	0.00	0.00	1.00	0.00	1.00	1.00	
MCS	Biology	19.50	1.00	32.00	0.00	32.00	52.50
	Chemistry	20.00	0.00	17.00	2.00	19.00	39.00
	Math	25.50	0.00	9.00	0.00	9.00	34.50
	Physics	32.80	0.00	12.00	0.00	12.00	44.80
	Dean's Ofc.	1.50	0.00	1.00	4.00	5.00	6.50
	TOTAL MCS	99.30	1.00	71.00	6.00	77.00	177.30
SCS	Comp. Sci.	36.00	18.50	18.00	1.00	19.00	73.50
	Robotics	3.50	13.50	10.00	1.00	11.00	28.00
	CMT	0.00	1.00	2.00	0.00	2.00	3.00
	TOTAL SCS	39.50	33.00	30.00	2.00	32.00	104.50
SUPA	26.78	1.00	6.00	16.00	22.00	49.78	
ACADEMIC SUBTOTAL	549.50	47.00	216.00	170.00	386.00	982.50	
ADMINISTRATIVE	13.50	0.00	5.00	3.00	8.00	21.50	
TOTAL	563.00	47.00	221.00	173.00	394.00	1,004.00	

*Includes special teaching, special research and visiting faculty.

CARNEGIE MELLON UNIVERSITY

**Full Time Regular Faculty
By Rank and Department
Fall Semester 1990**

		University Professor	Associate Professor	Assistant Professor	Instructor	TOTAL	
College	Department						
CFA	Architecture	0.00	7.50	4.00	7.00	1.00	19.50
	Art	0.00	7.00	8.00	1.00	0.00	16.00
	Design	0.00	2.00	10.00	4.00	0.00	16.00
	Drama	0.00	6.00	4.00	8.00	0.00	18.00
	Music	1.00	6.00	11.00	4.00	0.30	22.30
	TOTAL CFA		1.00	28.50	37.00	24.00	1.30
CIT	Biomedical E.	0.00	1.00	0.00	0.00	0.00	1.00
	Chemical E.	0.00	11.50	2.00	3.00	0.00	16.50
	Civil E.	1.00	8.00	2.50	4.00	0.00	15.50
	E & C.E.	0.00	18.70	10.00	6.00	0.00	34.70
	EPP	0.00	5.15	2.50	1.00	0.00	8.65
	Mechanical E.	0.00	10.10	6.00	7.50	0.00	23.60
	MEMS	1.00	11.50	3.00	4.00	0.00	19.50
TOTAL CIT		2.00	65.95	26.00	25.50	0.00	119.45
GSIA		3.00	21.42	11.00	30.00	1.00	66.42
H&SS	English	0.00	9.50	8.00	8.00	0.00	25.50
	History	0.00	9.75	7.50	3.50	0.00	20.75
	Mod. Lang.	0.00	1.50	0.00	0.00	0.00	1.50
	Philosophy	0.00	4.00	3.00	4.00	0.00	11.00
	Psychology	1.00	11.00	5.00	2.00	0.00	19.00
	S & D S.	0.50	3.50	9.00	4.00	0.00	17.00
	Statistics	0.00	4.00	3.00	4.00	0.00	11.00
	Dean's Ofc.	0.00	0.50	0.00	0.00	0.00	0.50
TOTAL H&SS		1.50	43.75	35.50	25.50	0.00	106.25
MCS	Biology	0.00	8.50	6.00	5.00	0.00	19.50
	Chemistry	1.00	11.00	6.00	2.00	0.00	20.00
	Math	0.00	16.50	3.00	6.00	0.00	25.50
	Physics	1.00	20.80	6.00	5.00	0.00	32.80
	Dean's Ofc.	1.00	0.50	0.00	0.00	0.00	1.50
TOTAL MCS		3.00	57.30	21.00	18.00	0.00	99.30
SCS	Comput. Sci.	2.50	11.00	11.00	11.50	0.00	36.00
	Robotics	0.50	0.50	2.00	0.50	0.00	3.50
	TOTAL SCS	3.00	11.50	13.00	12.00	0.00	39.50
SUPA		0.50	8.08	3.50	13.00	1.70	26.78
ACADEMIC SUBTOTAL		14.00	236.50	147.00	148.00	4.00	549.50
ADMINISTRATIVE		0.00	13.50	0.00	0.00	0.00	13.50
TOTAL		14.00	250.00	147.00	148.00	4.00	563.00

CARNEGIE MELLON UNIVERSITY

**Full-Time Regular Faculty
By Tenure Status and Department
Fall Semester 1990**

College		Tenured	Tenure Stream	Instructors	TOTAL
Department					
CFA	Architecture	7.50	11.00	1.00	19.50
	Art	14.00	2.00	0.00	16.00
	Design	6.00	10.00	0.00	16.00
	Drama	5.00	13.00	0.00	18.00
	Music	9.00	13.00	0.30	22.30
	TOTAL CFA	41.50	49.00	1.30	91.80
	CIT	Biomedical E.	1.00	0.00	0.00
Chemical E.		12.50	4.00	0.00	16.50
Civil E.		9.00	6.50	0.00	15.50
E & C E.		19.70	15.00	0.00	34.70
EPP		5.15	3.50	0.00	8.65
Mechanical E.		10.10	13.50	0.00	23.60
MEMS		12.50	7.00	0.00	19.50
TOTAL CIT		69.95	49.50	0.00	119.45
GSIA	30.42	35.00	1.00	66.42	
H&SS	English	15.50	10.00	0.00	25.50
	History	13.75	7.00	0.00	20.75
	Mod. Lang.	1.50	0.00	0.00	1.50
	Philosophy	6.00	5.00	0.00	11.00
	Psychology	16.00	3.00	0.00	19.00
	S & D S.	7.00	10.00	0.00	17.00
	Statistics	5.00	6.00	0.00	11.00
	Dean's Ofc.	0.50	0.00	0.00	0.50
	TOTAL H&SS	65.25	41.00	0.00	106.25
MCS	Biology	13.50	6.00	0.00	19.50
	Chemistry	17.00	3.00	0.00	20.00
	Math	17.50	8.00	0.00	25.50
	Physics	24.80	8.00	0.00	32.80
	Dean's Ofc.	1.50	0.00	0.00	1.50
	TOTAL MCS	74.30	25.00	0.00	99.30
SCS	Comp. Sci.	18.00	18.00	0.00	36.00
	Robotics	1.50	2.00	0.00	3.50
	TOTAL SCS	19.50	20.00	0.00	39.50
SUPA	10.58	14.50	1.70	26.78	
ACADEMIC SUBTOTAL		311.50	234.00	4.00	549.50
ADMINISTRATIVE		13.50	0.00	0.00	13.50
TOTAL		325.00	234.00	4.00	563.00

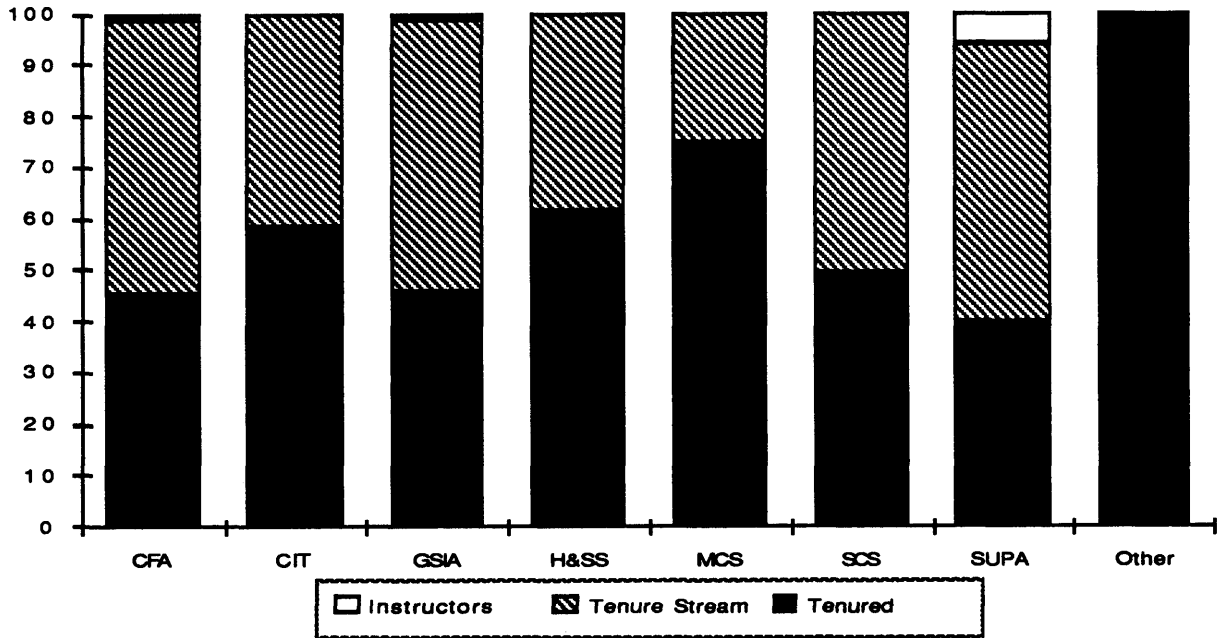
CARNEGIE MELLON UNIVERSITY

**Full Time Regular Faculty
By Tenure Status and College
Fall Semesters 1986 to 1990**

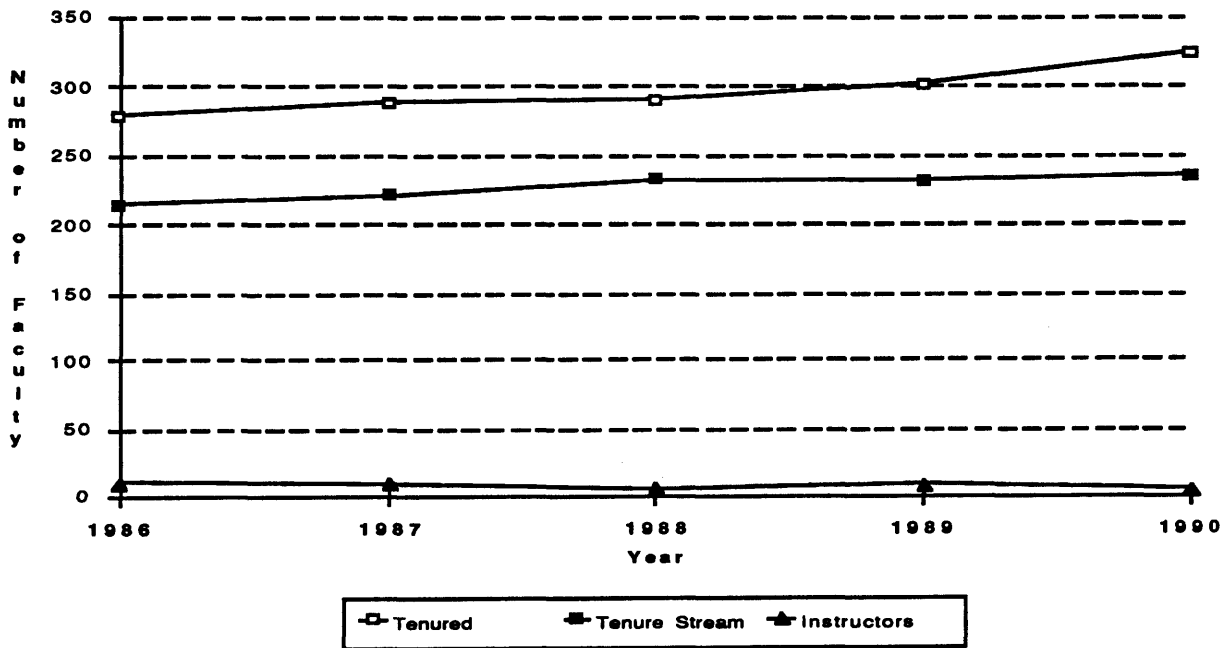
College	Tenure Status	1986	1987	1988	1989	1990
CFA	Tenured	35.50	38.50	39.50	41.50	41.50
	Tenure Stream	41.00	45.00	49.00	46.00	49.00
	Instructors	3.00	5.00	2.00	3.54	1.30
	Total	79.50	88.50	90.50	91.04	91.80
CIT	Tenured	58.95	57.95	59.95	60.45	69.95
	Tenure Stream	41.50	42.50	49.00	51.00	49.50
	Instructors	0.00	0.00	0.00	0.00	0.00
	Total	100.45	100.45	108.95	111.45	119.45
GSIA	Tenured	20.25	25.42	27.42	28.42	30.42
	Tenure Stream	37.67	34.50	39.50	39.00	35.00
	Instructors	6.00	4.00	2.00	3.00	1.00
	Total	63.92	63.92	68.92	70.42	66.42
H&SS	Tenured	59.50	62.50	58.75	63.75	65.25
	Tenure Stream	44.75	42.75	39.00	36.50	41.00
	Instructors	0.00	0.00	0.00	0.00	0.00
	Total	104.25	105.25	97.75	100.25	106.25
MCS	Tenured	68.55	69.55	70.30	70.30	74.30
	Tenure Stream	19.00	24.00	22.00	26.00	25.00
	Instructors	0.00	0.00	0.00	0.00	0.00
	Total	87.55	93.55	92.30	96.30	99.30
SCS	Tenured	13.70	13.70	16.50	15.50	19.50
	Tenure Stream	17.00	17.50	18.50	20.50	20.00
	Instructors	0.00	0.00	0.00	0.00	0.00
	Total	30.70	31.20	35.00	36	39.50
SUPA	Tenured	8.50	7.33	7.58	10.08	10.58
	Tenure Stream	12.33	12.50	14.00	11.00	14.50
	Instructors	1.00	0.00	1.00	0.46	1.70
	Total	21.83	19.83	22.58	21.54	26.78
ACADEMIC SUBTOTAL						
	Tenured	264.95	274.95	280.00	290.00	311.50
	Tenure Stream	213.25	218.75	231.00	230.00	234.00
	Instructors	10.00	9.00	5.00	7.00	4.00
	Total	488.20	502.70	516.00	527.00	549.50
ADMINISTRATIVE						
	Tenured	14.05	13.05	10.00	12.00	13.50
	Tenure Stream	0.75	1.25	1.00	1.00	0.00
	Instructors	0.00	0.00	0.00	0.00	0.00
	Total	14.80	14.30	11.00	13.00	13.50
CMU	Tenured	279.00	288.00	290.00	302.00	325.00
	Tenure Stream	214.00	220.00	232.00	231.00	234.00
	Instructors	10.00	9.00	5.00	7.00	4.00
	Total	503.00	517.00	527.00	540.00	563.00

CARNEGIE MELLON UNIVERSITY

**Full-Time Regular Faculty
By Tenure Status and College
Fall Semester 1990**

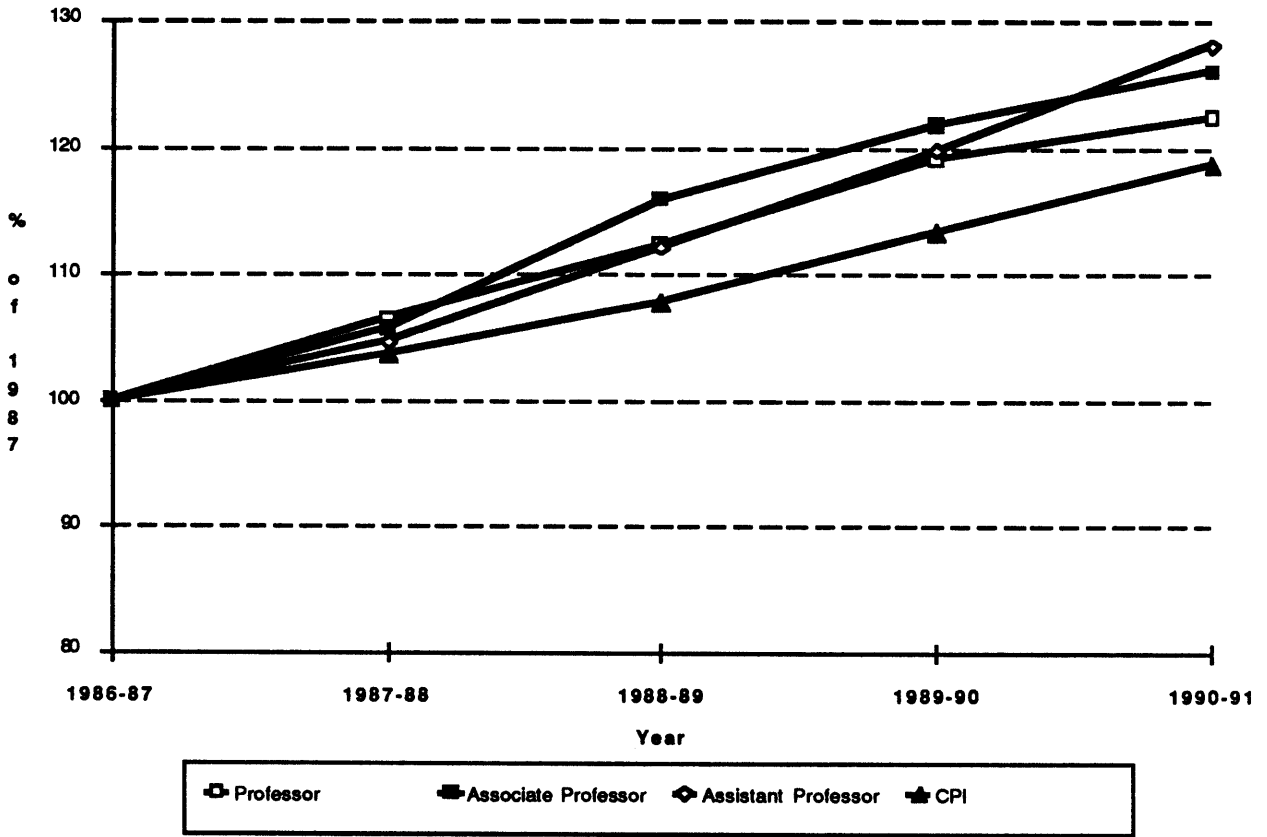


**Full-Time Regular Faculty
By Tenure Status
Fall Semester 1986 to 1990**



CARNEGIE MELLON UNIVERSITY

**Faculty Salaries Indexed Growth
Full-Time Regular Faculty
Academic Years 1986-87 to 1990-91**



**Average Faculty Salaries
Full-Time Regular Faculty
Academic Years 1986-87 to 1990-91**

	1986-87	1987-88	1988-89	1989-90	1990-91
Professor	\$59,600	\$63,400	\$67,026	\$70,900	\$72,864
Associate Professor	40,500	42,800	46,900	49,300	51,034
Assistant Professor	36,100	37,800	40,500	43,200	46,207

CARNEGIE MELLON UNIVERSITY

Regular Faculty Additional Facts and Figures

Distribution by Sex, Race and Age Fall 1987 to 1990

Percent of Faculty by Sex	1990	1989	1988	1987
Male	85%	84%	86%	86%
Female	15%	16%	14%	14%
Percent of Faculty by Race	1990	1989	1988	1987
Asian	4%	3%	3%	2%
Black	1%	1%	1%	1%
Hispanic	1%	1%	1%	1%
White	77%	77%	79%	81%
Non-U.W. Citizen	17%	18%	16%	15%
Percent of Faculty by Age	1990	1989	1988	1987
Under 30	4%	3%	3%	4%
30 to 39	36%	39%	40%	40%
40 to 49	31%	29%	29%	29%
50 to 59	17%	18%	17%	11%
60 and Over	12%	11%	11%	11%

Top Ten Institutions Granting Degrees to Faculty Fall 1990

Carnegie Mellon University	Harvard University
Massachusetts Institute of Technology	University of Michigan
Stanford University	University of Minnesota
University of California, Berkeley	University of Pittsburgh
Yale University	Cornell University

50% of the Regular Faculty received degrees from the above institutions.

86% of the Regular Faculty hold Ph.D's.

Average Faculty Salaries by Rank, Fall 1989 Percent Change in Faculty Salaries By Rank, Fall 1984 to Fall 1989

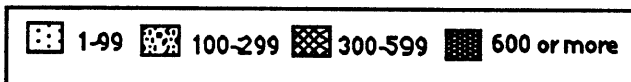
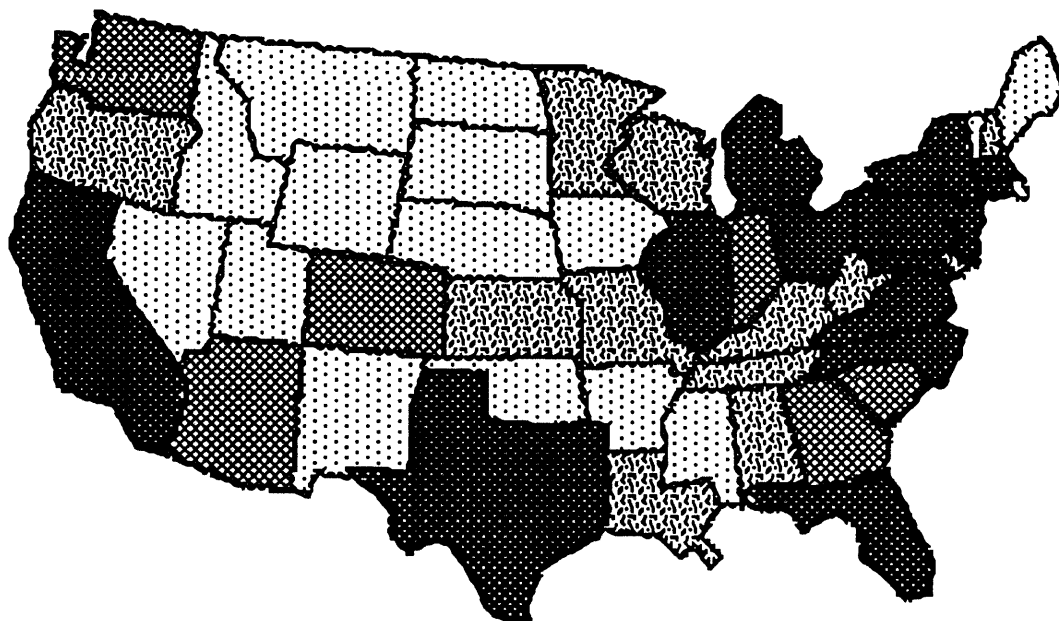
	Prof.		Assoc.		Asst.	
	\$	% Δ	\$	% Δ	\$	% Δ
Carnegie Mellon	\$70,900	(7)* 36 (12)*	\$49,300	(5)* 40 (4)*	\$43,500	(4)* 42 (3)*
Harvard	82,700	31	44,600	30	42,000	42
Stanford	79,200	36	55,300	37	43,800	38
Yale	77,500	39	47,300	42	36,800	38
MIT	75,600	37	53,600	36	43,900	38
U. of Pennsylvania	73,300	40	52,400	40	44,000	45
U. of CA, Berkeley	72,400	33	47,400	36	39,900	35
Northwestern	69,200	40	47,300	43	41,700	40
U. of Michigan	67,300	40	50,000	39	41,800	42
Rice	67,300	39	45,800	29	38,400	40
Cornell	67,300	37	46,600	35	39,500	41
RPI	66,300	33	48,100	31	41,200	35
Lehigh	64,100	38	46,500	38	39,000	47
Washington U.	62,500	37	45,600	37	36,400	36
Purdue	62,400	38	43,600	36	36,200	35
Case Western	61,900	36	43,500	31	36,000	27
U. of Wisconsin	56,900	44	42,100	46	36,400	41

* CMU Rank

ALUMNI

CARNEGIE MELLON UNIVERSITY

Active Alumni
By Region and State
As of October 1990



Region / State	Region / State	Region / State	Region / State
New England	South	Midwest	West
Connecticut 949	Alabama 128	Illinois 1,102	Alaska 23
Maine 110	Florida 1,682	Indiana 349	Arizona 361
Massachusetts 1,615	Georgia 391	Iowa 64	California 3,980
New Hampshire 184	Kentucky 150	Kansas 111	Colorado 395
Rhode Island 89	Louisiana 123	Michigan 796	Hawaii 66
Vermont 92	Mississippi 31	Minnesota 243	Idaho 54
TOTAL 3,039	North Carolina 664	Missouri 250	Montana 14
PERCENT OF TOTAL 7%	South Carolina 300	Nebraska 33	Nevada 55
	Tennessee 246	North Dakota 6	Oregon 196
Middle States	Virginia 1,360	Ohio 2,286	Utah 54
Delaware 259	TOTAL 5,075	South Dakota 15	Washington 377
District of Columbia 338	PERCENT OF TOTAL 11%	West Virginia 266	Wyoming 17
Maryland 1,714	Southwest	Wisconsin 233	TOTAL 5,592
New Jersey 2,065	Arkansas 44	TOTAL 5,754	PERCENT OF TOTAL 12%
New York 3,915	New Mexico 156	PERCENT OF TOTAL 13%	U.S. TOTAL 43,413
Pennsylvania 14,310	Oklahoma 87	U.S. Territories 27	PERCENT OF TOTAL 97%
TOTAL 22,601	Texas 1,038		Foreign Countries 1,509
PERCENT OF TOTAL 50%	TOTAL 1,325		TOTAL 44,922
	PERCENT OF TOTAL 3%		

CARNEGIE MELLON UNIVERSITY

**Active Alumni
Additional Facts and Figures
As of October 1990**

Active Alumni by Major U.S. Cities

Greater Pittsburgh Area*	11,310	Harrisburg	381
Metro New York**	4,235	Akron	379
Washington, D.C.	2,057	Phoenix	369
San Francisco	1,637	Dallas	348
Los Angeles	1,489	Fort Lauderdale	347
Boston	1,425	Rochester	345
Philadelphia	1,269	Columbus	292
Chicago	987	San Diego	291
Princeton	855	Cincinnati	282
Cleveland	729	St. Petersburg	266
Baltimore	700	Seattle	261
Detroit	585	Buffalo	242
Hartford	567	Minneapolis / St. Paul	224
Houston	472	St. Louis	188
Atlanta	403	Sarasota	168
Denver	399	Miami	154
		Naples / Fort Myers	135

* Included Altoona, Beaver County, Westmoreland County and Metro Pittsburgh area.

** Includes Long Island, Fairfield/Westchester and North New Jersey

Active Alumni by College

CFA	8,101	Margaret Morrison	4,280
CIT	16,141	MCS	5,461
GSIA	2,681	Printing Management	779
H&SS	3,596	SCS	37
IM	1,832	SUPA	1,209
Industries	302	Unspecified	4
Libraries	499		
		Total	44,922

Active Alumni by Class Year in Decades

1909 - 1919	92	1960 - 1969	7,370
1920 - 1929	890	1970 - 1979	8,794
1930 - 1939	2,790	1980 - 1989	12,777
1940 - 1949	4,557	1990	1,216
1950 - 1959	6,436		
		Total	44,922

FINANCES

CARNEGIE MELLON UNIVERSITY

**Tuition and Fees
Academic Years 1986-87 to 1990-91**

	1986-87	1987-88	1988-89	1989-90	1990-91
Undergraduate Tuition	\$10,250	\$11,100	\$12,000	\$13,000	\$14,000
Graduate Tuition					
CFA	\$10,500	\$11,200	\$12,000	\$12,000	\$12,000
CIT	11,000	11,850	12,750	13,750	14,750
GSIA	11,628	12,648	13,566	15,200	16,500
H&SS	10,500	11,200	12,000	12,000	14,000
INI*					29,500
MCS	10,750	11,500	12,300	13,000	14,000
SCS	11,000	11,850	12,750	13,750	14,750
SUPA	11,000	11,900	12,400	13,400	14,200
Student Activities Fee	\$60	\$60	\$80	\$80	\$90

* Tuition is for a 14 month program.

**Room and Board
Academic Years 1986-87 to 1990-91**

	1986-87	1987-88	1988-89	1989-90	1990-91
Average Room (Standard Double)	\$2,170	\$2,280	\$2,440	\$2,610	\$2,800
Average Board (19 Meals/Week)	\$1,503	\$1,548	\$1,650	\$1,832	\$2,006

**Total Estimated Cost of Attending CMU
Academic Years 1986-87 to 1990-91**

	1986-87	1987-88	1988-89	1989-90	1990-91
Resident	\$15,300	\$16,300	\$17,650	\$18,800	\$20,200
Commuter	\$12,300	\$13,150	\$14,350	\$15,300	\$16,300

Cost includes: tuition and activities fee, books and supplies, incidentals, room and board for residents and lunches and transportation for commuters.

CARNEGIE MELLON UNIVERSITY

General Funds Income, Expenditures, and Transfers
Fiscal Years 1986 to 1990
(Dollars in Thousands)

General Funds Income

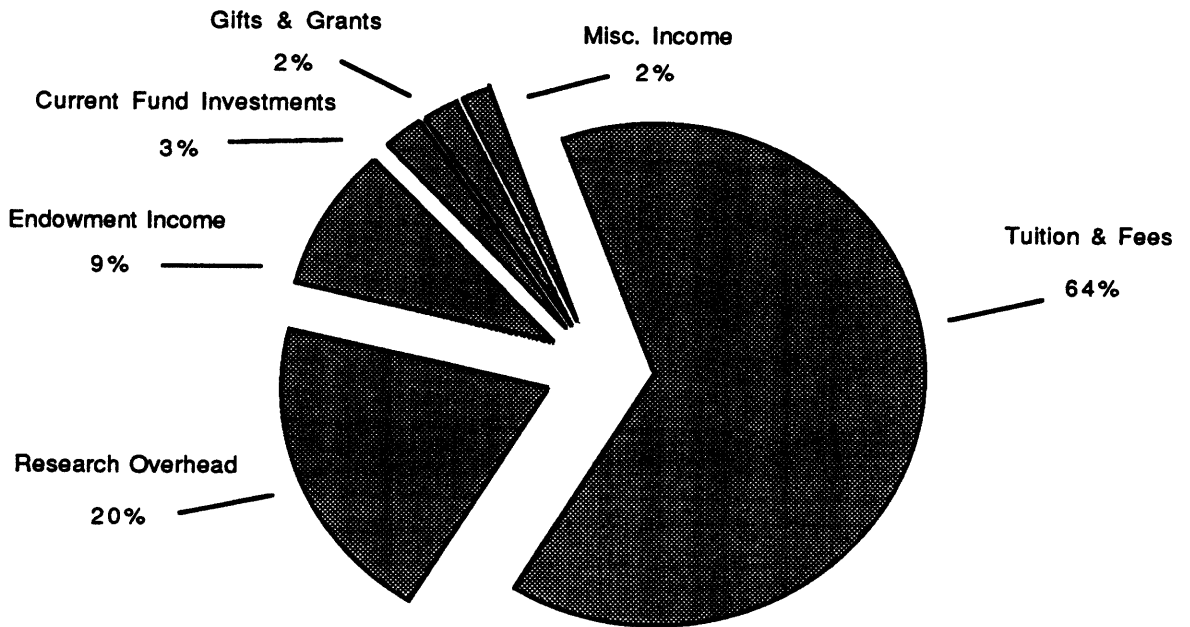
	1986	1987	1988	1989	1990
Income					
Tuition and Fees	\$63,758	\$70,804	\$72,625	\$79,680	\$88,686
Endowment Income	12,131	12,181	12,628	14,422	\$15,429
Current Fund Investments	6,326	6,146	6,707	3,660	\$3,631
Gifts & Grants	16,074	14,186	15,568	13,223	\$15,148
Sponsored Research	79,076	96,306	111,066	120,692	\$122,613
Auxiliary Services	16,926	18,700	20,491	21,988	\$23,358
Miscellaneous Income	11,732	8,835	9,587	13,824	\$12,499
TOTAL	\$206,023	\$227,158	\$248,672	\$267,489	\$281,364

General Funds Expenditures and Transfers

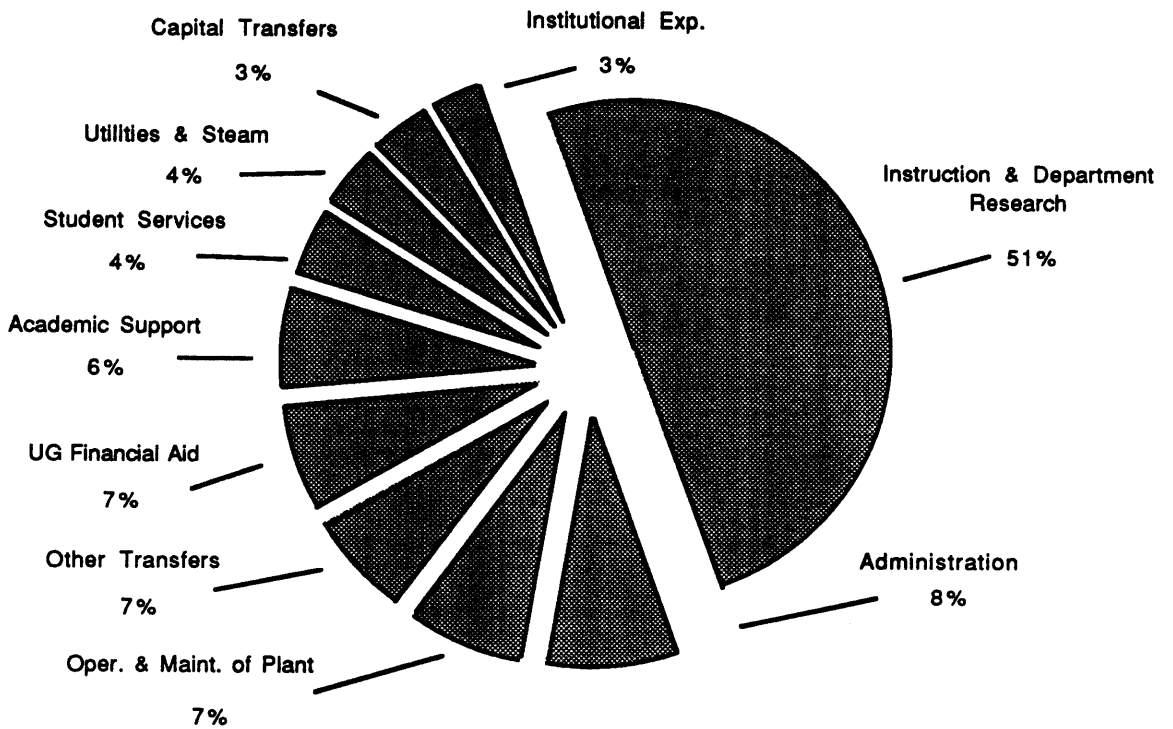
	1986	1987	1988	1989	1990
Expenditures					
Instruction & Department Research	\$60,664	\$67,140	\$69,746	\$79,060	\$89,442
Carnegie Mellon Research Institute	\$1,404	\$1,068	\$1,602	\$1,777	\$2,089
Academic Support	3,523	4,399	5,532	4,868	\$5,779
Sponsored Research	60,264	74,264	86,034	93,554	\$94,163
Student Aid	10,004	11,070	11,888	12,868	\$14,437
Libraries	2,674	3,197	3,607	3,969	\$4,912
Campus Operation	6,210	6,461	7,063	7,537	\$9,121
Utilities	4,239	4,575	4,692	5,178	\$5,624
Administration	10,024	9,870	10,361	11,398	\$12,308
Student Services	3,484	4,497	5,034	5,602	\$6,139
General Institutional	2,182	2,022	2,479	4,496	\$6,653
Auxiliary Services	16,822	18,976	20,566	22,198	\$23,361
TOTAL	\$181,494	\$207,539	\$228,604	\$252,505	\$274,028
Transfers					
Capital	\$18,890	\$16,531	\$18,343	\$13,781	\$10,333
Other	5,559	2,997	1,667	1,185	(\$3,018)
TOTAL	\$24,449	\$19,528	\$20,010	\$14,966	\$7,315
TOTAL	\$205,943	\$227,067	\$248,614	\$267,471	\$281,343

CARNEGIE MELLON UNIVERSITY

**Distribution of Educational and General Operating (E&GO) Income
Fiscal Year 1990
(Total = \$132,734,000)**



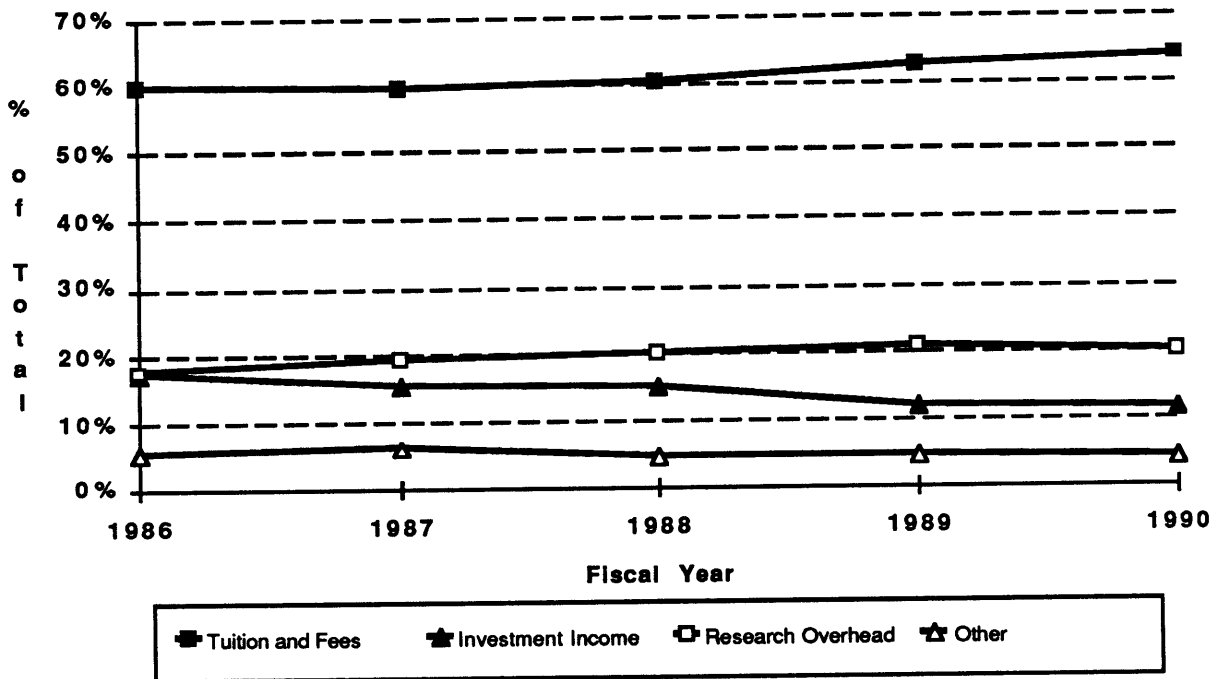
**Distribution of Educational and General Operating (E&GO) Expenditures and Transfers
Fiscal Year 1990
(Total = \$133,102,000)**



Includes GSIA and SUPA

CARNEGIE MELLON UNIVERSITY

**Percent of Educational and General Operating (E&GO) Income*
by Source
Fiscal Years 1986 to 1990**



"Investment income" includes endowment income and current fund investments. "Other" includes gifts and Grants and miscellaneous income.

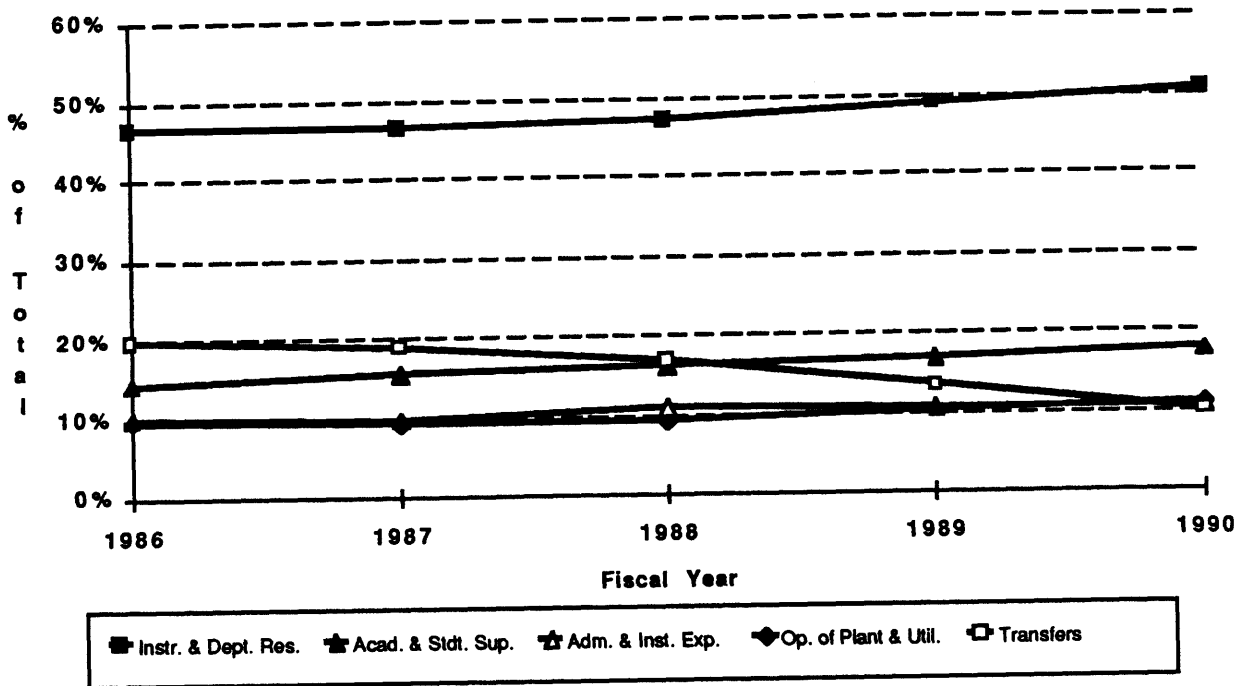
**Educational and General Operating (E&GO) Income*
By Source
Fiscal Years 1986 to 1990
(Dollars in Thousands)**

	1986	1987	1988	1989	1990
Income					
Tuition and Fees	\$58,710	\$64,821	\$71,084	\$77,163	\$84,953
Endowment Income	10,534	10,510	10,999	11,101	\$11,807
Current Fund Investments	6,185	6,093	6,645	3,595	\$3,594
Gifts & Grants	2,499	3,898	3,167	2,863	\$3,337
Research Overhead	17,306	20,982	23,844	25,960	\$26,890
Miscellaneous Income	2,605	2,564	2,148	2,653	\$2,153
TOTAL	\$97,839	\$108,868	\$117,887	\$123,335	\$132,734

*Including GSIA and SUPA

CARNEGIE MELLON UNIVERSITY

**Percent of Educational and General Operating (E&GO) Expenditures and Transfers* by Function
Fiscal Years 1986 to 1990**



*Academic & Student Support" includes Academic support, Student services and Undergraduate Financial Aid.

**Educational and General Operating (E&GO) Expenditures and Transfers*
By Function
Fiscal Years 1986 to 1990
(Dollars in Thousands)**

	1986	1987	1988	1989	1990
Expenditures					
Instruction & Department Research	\$45,438	\$50,557	\$55,598	\$60,553	\$67,224
Academic Support	4,558	5,867	7,139	7,240	\$8,407
Student Services	3,214	4,214	4,395	4,966	\$5,420
Undergraduate Financial Aid	6,129	6,777	7,538	8,325	\$9,785
Administration	7,908	8,357	9,946	10,007	\$10,992
Institutional Expense	1,768	2,367	2,944	3,124	\$3,226
Operation & Maintenance of Plant	5,244	5,355	5,951	7,427	\$8,950
Utilities & Steam	4,239	4,575	4,692	5,178	\$5,624
TOTAL	\$78,498	\$88,069	\$98,203	\$106,820	\$119,628
Transfers					
Capital	\$14,859	\$16,038	\$16,400	\$12,033	\$4,579
Other	4,402	4,670	3,226	4,464	\$8,895
TOTAL	\$19,261	\$20,708	\$19,626	\$16,497	\$13,474
TOTAL	\$97,759	\$108,777	\$117,829	\$123,317	\$133,102

*Including GSIA and SUPA

CARNEGIE MELLON UNIVERSITY

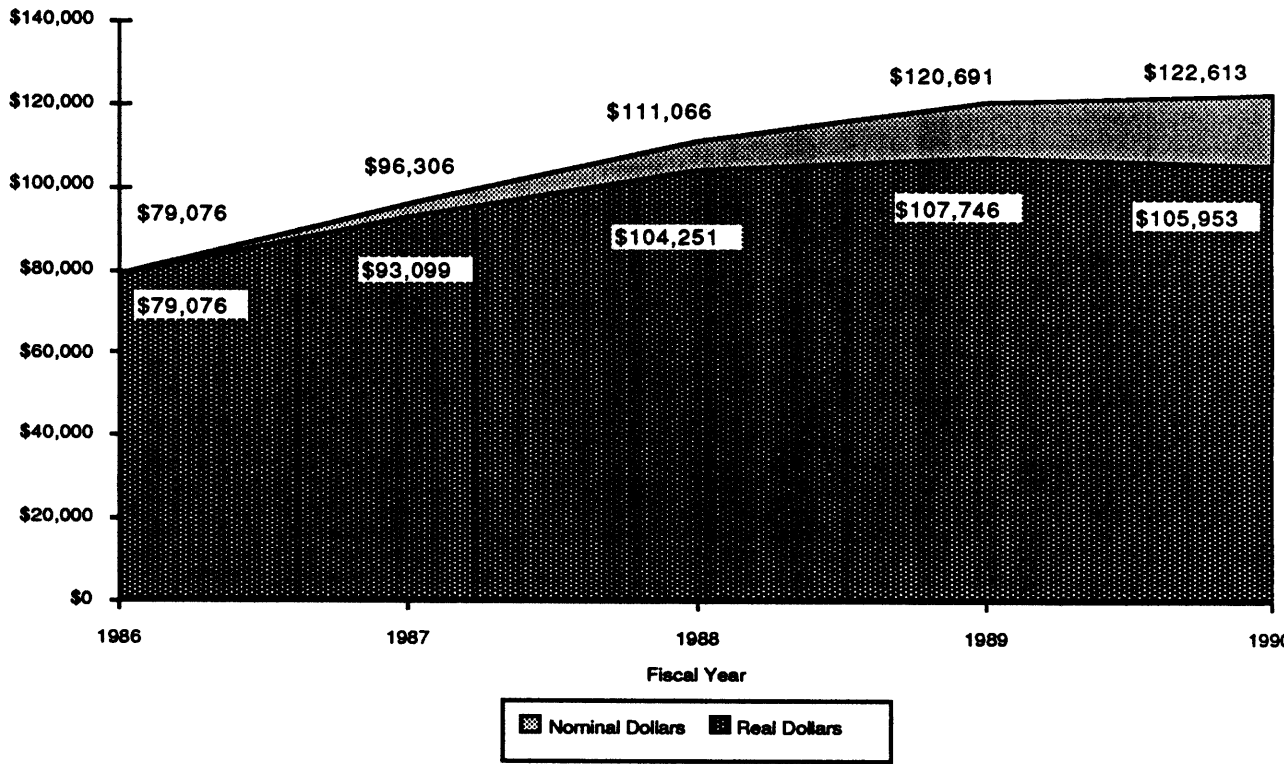
Errata

**Total Sponsored Research Costs
by College and Research Center
Fiscal Years 1986 to 1990**

	1986	1987	1988	1989	1990
Direct Costs					
CIT	\$12,207	\$14,088	\$16,029	\$16,947	\$16,066
CFA	233	329	239	306	571
H&SS	3,302	4,504	4,814	4,953	5,266
MCS	6,948	8,234	9,804	9,840	9,770
SCS	20,251	22,898	24,545	29,277	26,505
GSIA	810	554	585	689	546
SUPA	381	434	347	466	626
CMRI	5,495	6,069	5,702	5,462	6,012
SEI	7,913	12,597	17,809	19,337	21,978
WPATC	1,325	1,471	1,826	1,748	548
Other	1,399	3,086	4,334	4,529	6,275
TOTAL	\$60,264	\$74,264	\$86,034	\$93,554	\$94,163
Indirect Costs					
CIT	\$3,926	\$4,951	\$5,584	\$5,853	\$6,123
CFA	81	145	95	86	149
H&SS	1,005	1,308	1,641	1,510	1,638
MCS	2,648	2,762	3,396	3,562	3,397
SCS	7,517	8,468	9,015	9,973	9,578
GSIA	381	315	268	333	245
SUPA	169	83	127	185	245
CMRI	2,207	2,239	2,337	2,433	2,856
SEI	575	1,158	1,502	1,563	2,316
WPATC	0	0	0	0	0
Other	303	613	1,066	1,639	1,903
TOTAL	\$18,812	\$22,042	\$25,031	\$27,137	\$28,450
Total Sponsored Research Costs					
CIT	\$16,133	\$19,039	\$21,613	\$22,800	\$22,189
CFA	314	474	334	392	720
H&SS	4,307	5,812	6,455	6,463	6,904
MCS	9,596	10,996	13,200	13,402	13,167
SCS	27,768	31,366	33,560	39,249	36,083
GSIA	1,191	869	853	1,022	791
SUPA	550	517	474	652	871
CMRI	7,702	8,308	8,039	7,894	8,868
SEI	8,488	13,755	19,311	20,900	24,294
WPATC	1,325	1,471	1,826	1,748	548
Other	1,702	3,699	5,400	6,169	8,178
TOTAL	\$79,076	\$96,306	\$111,065	\$120,691	\$122,613

CARNEGIE MELLON UNIVERSITY

**Sponsored Research Costs
Real versus Nominal Growth
Fiscal Years 1986 to 1990
(Dollars in Thousands)**

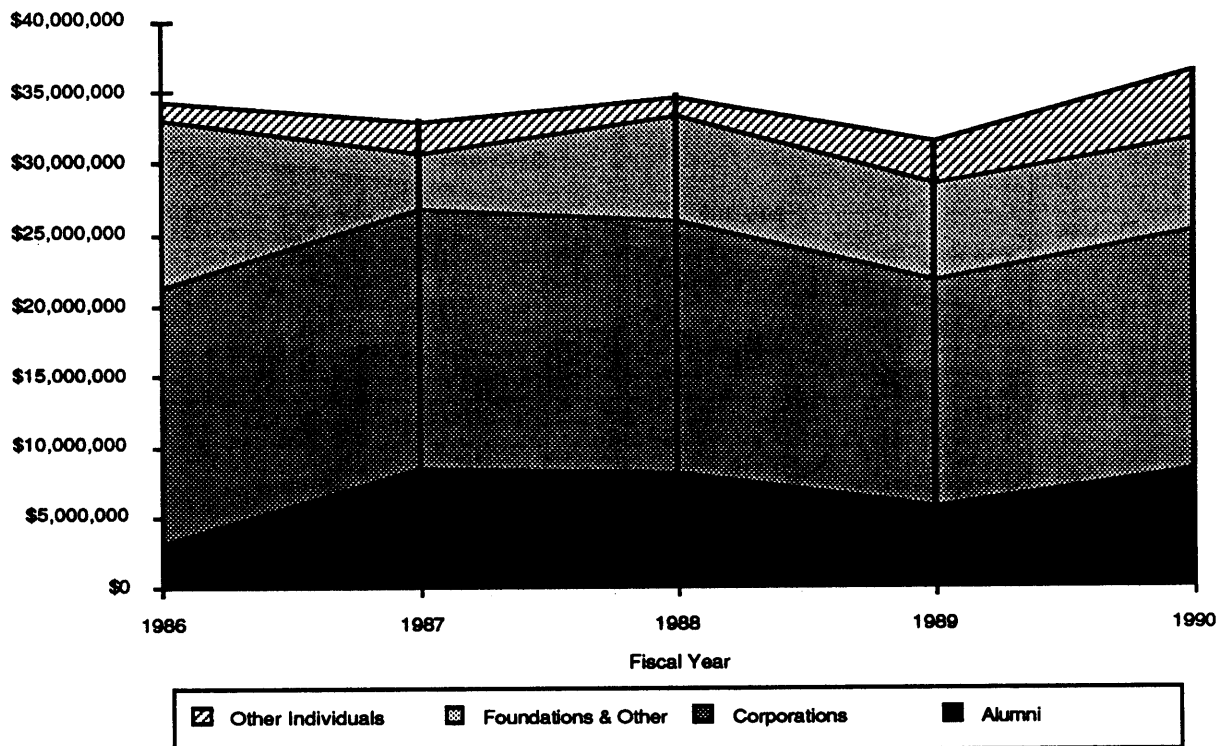


**Total Sponsored Research Costs by Agency
Fiscal Years 1986 to 1990**

	1986	1987	1988	1989	1990
Federal					
Defense	\$29,431,236	\$39,876,261	\$47,300,997	\$51,591,526	\$54,882,486
National Science Foundation	8,490,842	15,153,898	19,007,709	18,064,424	20,269,542
Health & Human Services	6,159,148	6,648,486	8,767,297	7,671,592	7,230,473
Energy	3,273,420	3,343,418	3,753,054	4,114,278	4,247,083
Other Federal	2,840,093	2,549,617	3,489,823	4,537,403	2,213,786
TOTAL	\$50,194,739	\$67,571,680	\$82,318,880	\$85,979,223	\$88,843,370
Non-Federal					
Industrial	\$17,403,119	\$16,211,340	\$17,100,589	\$18,943,891	\$20,139,928
Other Non-Federal	11,478,126	12,522,544	11,646,452	15,768,230	13,630,005
TOTAL	\$28,881,245	\$28,733,884	\$28,747,041	\$34,712,121	\$33,769,933
TOTAL	\$79,075,984	\$96,305,564	\$111,065,921	\$120,691,344	\$122,613,303

CARNEGIE MELLON UNIVERSITY

**Total Giving
By Source
Fiscal Years 1986 to 1990**



**Voluntary Support
By Source and Purpose
Fiscal Years 1986 to 1990**

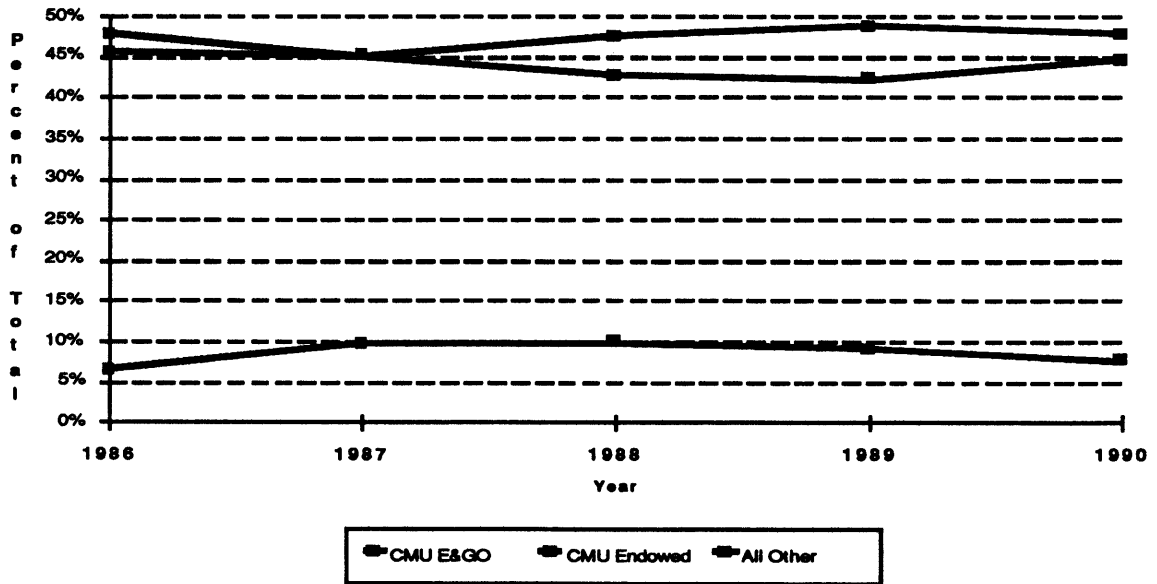
	1986	1987	1988	1989	1990
Current Operations					
Alumni	\$1,846,699	\$1,876,097	\$1,921,594	\$2,339,210	N/A
Other Individuals	588,449	842,186	806,762	1,193,421	N/A
Foundations & Other	6,116,363	2,802,792	5,850,080	6,120,168	N/A
Corporations	5,513,757	5,513,094	4,911,391	4,042,599	N/A
TOTAL	\$14,065,268	\$11,034,169	\$13,489,827	\$13,695,398	\$12,424,910
Capital					
Alumni	\$1,281,624	\$6,466,320	\$6,120,059	\$3,419,150	N/A
Other Individuals	686,157	1,513,895	513,822	1,657,045	N/A
Foundations & Other	5,796,155	973,300	1,444,467	682,673	N/A
Corporations	12,478,391	12,879,100	12,909,517	11,769,657	N/A
TOTAL	\$20,242,327	\$21,832,615	\$20,987,865	\$17,528,525	\$23,694,860
Total Giving					
Alumni	\$3,128,323	\$8,342,417	\$8,041,653	\$5,758,360	\$8,155,695
Other Individuals	1,274,606	2,356,081	1,320,584	2,850,466	4,630,389
Foundations & Other	11,912,518	3,776,092	7,294,547	6,802,841	6,341,151
Corporations	17,992,148	18,392,194	17,820,908	15,812,256	16,992,535
TOTAL	\$34,307,595	\$32,866,784	\$34,477,692	\$31,223,923	\$36,119,770

N/A - Not Available

Source: Survey of Voluntary Support of Education, Council for Financial Aid to Education

CARNEGIE MELLON UNIVERSITY

**Undergraduate Scholarships and Grants
By Source, Percent of Total
Fiscal Years 1986 to 1990**



*All other includes Federal, State and Other Grant Resources

**Undergraduate Financial Aid Resources
By Source
Fiscal Years 1986 to 1990
(Dollars In Thousands)**

	1986	1987	1988	1989	1990
Scholarships & Grants					
Federal - PELL	\$1,025	\$726	\$801	\$1,041	\$1,085
Federal - SEOG	1,641	1,641	1,641	1,471	1,677
State - PHEAA	1,178	1,223	1,198	1,301	1,434
Other State Grants	167	175	159	165	153
CMU E&GO	6,129	6,777	7,542	8,325	9,785
CMU Endowed	889	1,440	1,559	1,538	1,547
CMU Gifts and Grants	169	342	280	311	289
ROTC	890	954	975	1,257	1,901
Other Grant Resources	1,370	1,706	1,694	1,654	2,596
TOTAL	\$13,458	\$14,984	\$15,849	\$17,063	\$20,467
Self-Help					
Workstudy	\$2,001	\$1,932	\$1,938	\$1,691	\$1,713
Loans	8,693	8,528	8,716	7,908	9,150
TOTAL	\$10,694	\$10,460	\$10,654	\$9,599	\$10,863
TOTAL	\$24,152	\$25,444	\$26,503	\$26,662	\$31,330
% of Undergraduates with Need	63.0%	62.0%	62.0%	63.5%	63.9%

CARNEGIE MELLON UNIVERSITY

Finances

Additional Facts and Figures

Undergraduate Tuition comparison, Top Ten Competitors

Academic Year 1990-91

Based on Application Overlap, Fall 1990 Admissions Market Study

In Order of Tuition

<u>School</u>	<u>Tuition & Fees</u>	<u>Room & Board*</u>
Carnegie Mellon	\$14,080	\$4,806
MIT	15,600	5,100
Princeton	15,440	5,058
Boston Univ.	15,200	5,960
Yale	15,180	5,640
Cornell	15,164	4,993
Washington Univ.	14,948	4,875
Univ. of Penn	14,890	5,700
RPI	14,725	4,815
Northwestern	13,725	4,605
Penn State	3,754 (\$7,900 out of state)	3,330
Univ. of Michigan	3,288 (\$11,016 out of state)	3,856
MEDIAN	\$14,948	

Double Room-21 meals/week, CMU-Double Room-19 meals/week

Source: College Cost Book

Carnegie Mellon Tuition Benefits

Fiscal Years 1986 to 1990

(Dollars in Thousands)

	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Total	\$2,189	\$2,162	\$2,578	\$2,975	\$3,243

Carnegie Mellon National Rank

Research and Development Funds

Academic Science and Engineering

	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
Total R&D	49th	45th	45th	50th
Total R&D Among Privates	17th	18th	17th	17th
Industry Sponsored R&D	3rd	6th	7th	8th

Endowment Statistics

Fiscal Years 1986 to 1990

(Dollars in Thousands)

	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Book Value	\$197,788	\$225,014	\$241,066	\$261,452	\$276,745
Market Value	228,768	265,893	265,664	291,272	\$299,168
Life Income Funds	24,575	23,972	25,892	21,674	21,485
Rank	34	36	38	36	NA
Endowment/FTE Student*	\$37,600	\$43,400	\$42,974	\$46,686	NA
Rank	68	68	71	75	NA

*Private Institutions Only

Source: NACUBO Endowment Reports

SPACE AND FACILITIES

CARNEGIE MELLON UNIVERSITY

Total Space
In Square Footage
By Major Division, College/Division, and Use Category
as of December 1990

Major Division College/Division	Use Category								TOTAL	
	Classroom & Serv.	Labs Studios & Serv.	Office & Serv.	Cont./Mitg. Asmby./Ext. & Serv.	Food/Lnge. Merch. & Serv.	Study Data Proc. & Serv.	Shops/ Veh. Food & Gen. Storage & Serv.	Housing		Other
President	0	0	2,643	470	0	0	11	0	0	3,123
Provost										
CIT	1,653	115,236	85,191	5,827	5,393	5,348	13,591	0	7,166	239,405
CFA	15,388	105,901	33,554	12,651	181	2,453	12,160	0	1,086	183,374
H&SS	2,794	12,762	59,847	1,963	1,091	1,742	1,153	0	3,459	84,811
MCS	867	129,422	60,112	3,373	1,596	7,658	19,383	0	9,182	231,593
SCS	1,021	35,451	66,848	5,214	1,212	18,265	1,837	0	1,744	131,592
GSIA	7,653	0	26,191	933	868	3,367	802	0	44	39,858
SUPA	1,656	2,641	16,727	921	1,022	49	608	0	269	23,893
CMIRI	0	25,529	35,932	339	0	176	10,496	0	2,465	74,937
SEI	0	0	209,508	11,889	2,996	11,527	5,884	0	7,240	249,044
Other	0	0	6,981	865	626	0	159	0	0	8,630
TOTAL	31,032	426,942	600,890	43,975	14,985	50,585	66,073	0	32,655	1,267,135
VP Academic Services	0	6,386	24,680	7,083	4,791	97,893	3,323	0	5,423	149,579
VP Business Aff. & Planning										
Campus Services	4,326	0	21,177	6,002	57,934	600	54,116	0	18,732	162,887
Other	0	0	12,596	254	0	58	643	0	354	13,904
TOTAL	4,326	0	33,773	6,256	57,934	658	54,759	0	19,086	176,791
VP Development	0	0	8,104	326	0	138	11	0	0	8,579
VP Enrollment										
Registrar	59,438	0	1,600	68	553	0	188	0	446	62,293
Other	0	0	27,591	16,540	13,482	984	12,606	615,226	67,671	754,100
TOTAL	59,438	0	29,191	16,608	14,035	984	12,794	615,226	68,117	816,393
VP University Relations	0	0	6,068	554	0	0	5,972	0	0	12,594
OTHER	826	734	810	7,534	70	0	2,108	0	100,347	112,429
Total Net Assign. Space	95,622	434,062	706,159	82,805	91,815	150,258	145,050	615,226	225,628	2,546,624
Building Support	0	0	0	0	0	0	0	157,449	749,845	907,294
TOTAL	95,622	434,062	706,159	82,805	91,815	150,258	145,050	772,675	975,473	3,453,918

CARNEGIE MELLON UNIVERSITY

**Total Space
In Square Footage
By Major Division, College/Division, and Building
as of December 1990**

Major Division	Building													
	B/P	CC	CFA	DH	EDSH	FMR/MSL	GSIA	GYM	HBH	HH	HL	MMC	MI	PPB
President	109	0	0	0	470	0	0	0	413	0	0	0	0	0
Provost														
CIT	44,542	0	0	54,009	0	0	0	0	14,430	74,127	0	0	0	0
CFA	5,233	0	82,072	36,376	0	0	0	0	0	0	0	55,861	0	0
H&SS	75,364	0	0	0	0	0	286	0	0	0	0	7,401	0	0
MCS	0	0	0	43,249	0	0	0	0	0	0	0	0	131,016	0
SCS	0	0	0	11,372	4,376	15,691	0	0	0	0	0	0	0	0
GSIA	0	0	0	0	0	0	34,848	0	0	0	0	0	0	0
SUPA	0	0	0	0	0	0	0	0	23,893	0	0	0	0	0
CMRI	0	0	0	0	0	0	0	0	0	0	0	0	39,207	0
Other	972	0	0	0	1,474	0	0	0	1,220	0	0	0	556	0
TOTAL	126,111	0	82,072	145,006	5,850	15,691	35,133	0	39,543	74,127	0	63,262	170,779	0
VP Academic Services	4,190	4	0	0	1,926	211	0	0	4,480	96	77,844	0	12,825	0
VP Business Aff. & Planning														
Campus Srv's	6,960	9,905	20	0	1,710	0	100	0	0	0	0	39	7,679	29,397
Other	261	0	0	0	0	0	0	0	0	0	0	0	0	842
TOTAL	7,221	9,905	20	0	1,710	0	100	0	0	0	0	39	7,679	30,239
VP Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VP Enrollment														
Classrooms	21,765	0	4,910	11,637	0	0	0	0	4,127	1,860	0	2,662	1,125	0
Housing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Athletics	0	0	0	0	0	0	0	55,223	0	0	0	0	0	0
Other	2,215	0	0	424	4,397	0	0	0	4,880	510	0	1,524	160	584
TOTAL	23,980	0	4,910	12,061	4,397	0	0	55,223	9,007	2,370	0	4,186	1,285	584
VP University Relations	0	0	0	0	106	0	0	0	861	0	0	0	313	0
OTHER	0	0	0	0	0	38,511	0	0	14,711	0	0	0	9,130	0
Total Net Assignable Space	161,611	9,909	87,002	157,067	14,459	54,413	35,233	55,223	69,015	76,593	77,844	67,487	202,011	30,823
Building Support	71,077	2,653	36,848	59,336	3,829	21,417	27,670	7,602	33,007	36,975	23,681	35,204	149,135	13,252
TOTAL	232,688	12,562	123,850	216,403	18,288	75,830	62,903	62,825	102,022	113,568	101,525	102,691	351,146	44,075

Note:
Other building includes Bramer House, Studio Theatre, West Garages, 5017 Forbes Ave. , Bushy Run Facilities, Owned Trailers, East Garage, Gesling Field, MM-C Plaza and the Craig Street Art Gallery.

CARNEGIE MELLON UNIVERSITY

**Total Space
In Square Footage
By Major Division, College/Division, and Building
as of December 1990**

Major Division	Building										TOTAL
	PRB	PUB	SH	SKIBO	UCC	WEH	WH	*OTHER	HOUSING	LEASED	
President	0	0	0	0	0	0	2,131	0	0	0	3,123
Provost											
CIT	0	0	17,941	0	2,119	29,573	0	904	0	1,760	239,405
CFA	0	0	0	0	0	195	0	3,637	0	0	183,374
H&SS	0	0	0	0	0	0	0	0	0	1,760	84,811
MCS	0	0	1,781	0	0	49,567	0	0	0	6,000	231,593
SCS	6,316	0	0	0	10,067	81,595	0	0	0	2,175	131,592
GSIA	0	0	0	0	0	0	0	5,010	0	0	39,858
SUPA	0	0	0	0	0	0	0	0	0	0	23,893
CMRI	0	0	0	0	0	0	0	0	0	35,730	74,937
Other	0	0	0	626	0	0	936	0	0	251,889	257,673
TOTAL	6,316	0	19,702	626	12,186	160,930	936	9,551	0	299,314	1,267,135
VP Academic Services	0	0	0	0	25,659	19,422	596	1,890	0	436	149,579
VP Business Aff. & Planning											
Campus Srv's	0	0	0	28,933	382	0	3,884	21,683	30,570	21,625	162,887
Other	0	0	0	0	4,085	0	8,716	0	0	0	13,904
TOTAL	0	0	0	28,933	4,467	0	12,600	21,683	30,570	21,625	176,791
VP Development	0	0	0	0	0	0	5,526	3,053	0	0	8,579
VP Enrollment											
Classrooms	0	0	4,939	0	0	6,413	0	0	0	0	59,438
Housing	0	0	0	0	0	0	0	0	545,176	70,050	615,226
Athletics	0	0	0	0	0	0	0	8,470	6,466	0	70,159
Other	904	0	0	34,769	283	0	11,200	9,721	0	0	71,570
TOTAL	904	0	4,939	34,769	283	6,413	11,200	18,191	551,642	70,050	816,393
VP University Relations	0	9,264	0	280	0	0	0	1,770	0	0	12,594
OTHER	0	0	0	0	0	0	0	49,875	0	202	112,429
Total Net Assignable Space	7,220	9,264	24,641	64,607	42,595	186,765	32,991	106,013	582,212	391,627	2,546,624
Building Support	92	1,054	11,564	30,076	20,000	107,128	12,974	5,839	157,449	39,433	907,294
TOTAL	7,312	10,318	36,205	94,683	62,594	293,893	45,965	111,852	739,661	431,060	3,453,918

Note:

Other building includes Bramer House, Studio Theatre, West Garages, 5017 Forbes Ave. , Bushy Run Facilities, Owned Trailers, East Garage, Gesling Field, MM-C Plaza and the Craig Street Art Gallery.

CARNEGIE MELLON UNIVERSITY

**Parking Capacity
Fiscal Years 1986 to 1990**

	1986 Spaces	1987 Spaces	1988 Spaces	1989 Spaces	1990 Spaces
Permit Parking	1,621	1,571	1,837	1,935	2,001
Visitor Parking	35	46	46	44	32
Meter Parking	80	80	80	94	87
Utility Parking	80	80	80	80	80
Campus Street	301	301	301	301	301
CMU Area Total	2,117	2,078	2,344	2,454	2,501
Total Permits Issued	2,098	2,032	2,280	2,324	2,393

**Housing Capacity
By Units, Beds Available and Filled
Fall Semester 1990**

	Rooms Available	Beds Available	Beds Filled
Boss	42	76	76
Doherty	60	93	85
Donner	136	254	252
Frats	235	248	247
Hammerschlag	78	168	167
Henderson	18	40	40
McGill	42	77	77
MM-A	121	80	79
MM-B	4	32	32
MM-C	40	80	75
Morewood Gardens-A, B, C, D	235	480	463
Morewood Gardens-E	139	287	270
Mudge	165	307	300
Resnik	91	151	151
Roselawn	10	50	49
Scobell	65	94	88
Spirit	9	9	9
Tech House	8	8	6
Welch	30	54	54
West Wing	87	152	152
Woodlawn	9	30	30

APPENDIX

DEFINITIONS

I. COLLEGE AND DEPARTMENT LISTING

<u>College</u>	<u>Department/Unit</u>	<u>Abbreviation</u>	<u>Notes</u>
CARNEGIE INSTITUTE OF TECHNOLOGY		CIT	Undergraduate and Graduate college.
	Biomedical Engineering	Biomedical E.	
	Chemical Engineering	Chemical E.	
	Civil Engineering	Civil E.	
	Electrical and Computer Engineering	E & C E.	
	Engineering and Public Policy	EPP	
	Manufacturing Engineering	Mfg. E.	
	Mechanical Engineering	Mechanical E.	
	Metallurgical Engineering and Materials Science	MEMS	
	Engineering Design Research Center	EDRC	Research Center
ADDITIONAL UNITS:			
Nuclear Engineering	Nuclear E.	This is no longer formally a department, but a few students are still finishing or graduating from the program.	
No Major Department	No Major Dept.	Students do not declare majors until their sophomore year.	
Interdisciplinary	Interdiscp.	Interdisciplinary units are jointly taught among departments.	
Dean's Office	Dean's Ofc.	Some faculty with administrative responsibility are located in the the Dean's office.	
COLLEGE OF FINE ARTS	CFA	Undergraduate and graduate college.	
Architecture			
Art			
Design			
Drama			
Music			
Studio for Creative Inquiry	SFCI	Research Center	
ADDITIONAL UNITS:			
Interdisciplinary	Interdiscp.	Interdisciplinary units are jointly taught among departments.	
Dean's Office	Dean's Ofc.	Some faculty with administrative responsibility are located in the Dean's office.	
Pre-College Art	Pre-Col. Art	Year-round program for pre-college art students and CMU students who are not art majors.	
Pre-College Music	Pre-Col. Mus.	Year-round program for pre-college music students and CMU students who are not music majors.	
COLLEGE OF HUMANITIES AND SOCIAL SCIENCES	H&SS	Undergraduate and graduate college.	
English			
History			
Philosophy			
Psychology			
Social and Decision Sciences	S & D S.		
Statistics			
ADDITIONAL UNITS:			
Economics			
Industrial Management in H&SS	IM - H&SS	The student major Economics is housed in H&SS. Some freshmen and sophomores take the H&SS core before being accepted into the IM major.	

<u>College</u> <u>Department/Unit</u>	<u>Abbreviation</u>	<u>Notes</u>
H&SS (cont.)		
Student Defined Major	Student Def'd	Some students in H&SS define individualized interdisciplinary majors.
No Major Department Dean's Office	No Major Dept. Dean's Ofc.	Students do not declare majors until their junior year. Some faculty with administrative responsibility are located in the the Dean's office.
Information Networking Institute INI		Joint academic program between CIT, GSIA, and SCS.
MELLON COLLEGE OF SCIENCE MCS		Undergraduate and graduate college.
Biological Sciences	Biology	
Chemistry		
Mathematics	Math	
Physics		
ADDITIONAL UNITS		
No Major Department	No Major Dept.	Students do not declare majors until their sophomore year.
Dean's Office	Dean's Ofc.	Some faculty with administrative responsibility are located in the Dean's office.
Interdisciplinary	Interdiscp.	Interdisciplinary units are jointly taught among departments.
SCHOOL OF COMPUTER SCIENCE	SCS	Graduate College.
Computer Science	Comp. Sci.	
Robotics		
Center for Machine Translation	CMT	Research Center
Information Technology Center	ITC	Research Center
GRADUATE SCHOOL OF INDUSTRIAL ADMINISTRATION	GSIA	Graduate College.
ADDITIONAL UNITS		
Economics		Most Economics courses are taught by GSIA faculty.
Industrial Management	IM	Most IM courses are taught by GSIA faculty.
SCHOOL OF URBAN AND PUBLIC AFFAIRS	SUPA	Graduate College.
Carnegie Mellon Research Institute	CMRI	Research Center.
Industrial Management	IM	IM is an unaffiliated undergraduate major.
Software Engineering Institute	SEI	Research Center
Administraction	ADMIN	

NOTE:

The category of **NON-DEGREE** students is often listed as a Department in tables showing student enrollment. These non-degree seeking students are not affiliated with a Department.

II. TIME PERIODS

Fall Semester	Data are as of the Mid-Semester point in the Fall Semester (except Units Taught, which are end of semester counts).
Academic Year	Data are the addition of Fall and Spring Semester totals.
Fiscal Year	Data are for the period July 1 to June 30 of the indicated year.

III. DEFINITIONS OF TERMS

STUDENTS

FRESHMEN

Applied	Individuals who completed the Admissions process.
Admitted	Applicants who were admitted to CMU.
Enrolled	Applicants who were admitted and actually enrolled.
Yield	Enrolled as a percent of Admitted freshmen.

Competing Schools: The top 10 schools to which students admitted to CMU also submitted applications. The source of this data is the Admissions Office Market Survey.

ENROLLMENT

Students by Level	Undergraduate Graduate Non-Degree	Freshman, Sophomore, Junior, Senior Students enrolled in Master's or Doctoral programs. Special students who are not enrolled in a degree program.
Headcount	Each student, full or part time, is counted once.	
Full-Time Equivalent (FTE)	Each full-time student is counted once; part-time students are counted based on the percentage of full-time tuition paid to cover their current courses.	

HOUSING TYPE

University Housing	On-Campus Off-Campus Fraternity/Sorority	CMU owned dormitories physically located on the campus. CMU controlled off-campus housing. Fraternity or Sorority controlled housing.
Non-University Housing	All other student residence arrangements.	

PERSISTENCE

The percentage of students, enrolled in a particular year, who remain at CMU or who graduate over the succeeding five years.

DEGREES

Bachelors	B.A., B.S., BFA, B.Arch.
Masters	M.A., M.S., M.E., MFA, M.Arch., M.A.M., M.A.T, M.Phil., M.P.M, M.S.I.A.
Doctorates	D.A., Ph.D.

All degrees are shown by the Department from which they were earned, rather than the particular program or emphasis listed on the individual's degree. All degree programs are listed in the front of this booklet.

TEACHING

UNITS

A student at CMU earns a specified number of units for each course taken at the University. Three (3) units are the equivalent of one (1) credit hour. The number of units taught by a department is calculated by summing the units of each course taken by each student for the department.

Other	Includes units taught to Non-Degree students and students from other colleges attending CMU through the Pennsylvania Council of Higher Education (PCHE) agreement.
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STAFF

Full-time employees includes those on leave and visiting research professionals. Visiting faculty are excluded.

FACULTY

Total Faculty includes three categories of faculty members. They are:

Regular Faculty	Regular faculty are comprised of four ranks of permanent faculty members (subject to the rules of the tenure process): Professor, Associate Professor, Assistant Professor, and Instructor. Professors and some Associate Professors are tenured; the rest of the Associate Professors and Assistant Professors are eligible for tenure, or in the Tenure Stream; and Instructors are eligible for promotion into the tenure stream. Instructors are part of the regular faculty for whom the tenure probationary period has not yet begun.
Research Faculty	Research faculty are comprised of several ranks of faculty equivalent research positions of Scientists / Engineers.
Special Faculty	Special faculty are comprised several ranks of temporary, instructional, and research faculty including active Faculty Emeritus, Adjunct Faculty, Instructional Staff, Lecturers, Visiting Faculty, Special Research Faculty, and Post-Doctoral Associates. Administrators with Special Faculty appointments are excluded.
Method of counting:	Regular and Research may have contractual joint appointments in one or more departments, and are split between these appointments accordingly. Special Faculty are counted in the department in which they have their primary appointment.

ALUMNI

Includes all living persons who attended the university as degree candidates.

FINANCES

TUITION AND FEES

Undergraduate Tuition	Tuition charged to full-time undergraduate students. This is established at the university level.
Graduate Tuition	Tuition charged to full-time graduate students. This is established by each college.
Average Room	The annual charge for a standard double room. Other options for university housing include: Standard and Prime rooms for one, three or four students, and several apartment, townhouse or separate house alternatives.
Average Board	The annual charge for a 19 meal per week plan. Other options include 15, 10 and 5 meals per week .
Total Estimated Cost of Attending CMU.	This includes tuition and activities fee, books and supplies, incidentals, room and board for Residents and lunches and transportation for Commuters. This is computed each year by the Financial Aid Office.

UNDERGRADUATE FINANCIAL AID RESOURCES

Federal Aid	PELL SEOG	Federal entitlement grant program. Supplemental Education Opportunity Grant.
State Aid	PHEAA	Pennsylvania Higher Education Assistance Agency.
Other State Aid	Aid from states other than Pennsylvania.	
CMU E&GO	Aid provided from Carnegie Mellon Educational and General Operating Expenses.	
CMU Endowed	Aid provided from income from the Carnegie Mellon University Endowment Fund.	
CMU Gifts & Grants	Aid provided through gifts and grants to the University for this purpose.	
ROTC	Money from the Air Force, Army and Navy ROTC programs.	
Other Grant Resources	Aid from all other sources, primarily scholarships.	

GENERAL FUNDS INCOME, EXPENDITURES, AND TRANSFERS

GENERAL FUNDS

The General Funds , include the programs of teaching research, support programs, student services, student aid, administrative and business operations, physical plant operations and maintenance and public service. These funds are divided into Unrestricted Funds that can be used for any University purpose, Designated Funds that have been set aside for particular purposes such as the Summer School program, and Restricted Funds which have been given for a specific purpose, such as research projects by the donor or granting agency.

INCOME

Tuition & Fees	Payments made by undergraduate, graduate and special students in accordance with University tuition and fee schedules.
Endowment Income	Income derived from endowment investments
Current Fund Investments	Earnings derived from Current Fund balances.
Gifts and Grants	Restricted and unrestricted gifts given to the University.
Sponsored Research	Restricted income given for a specific research project by the donor or granting agency.
Auxiliary Services	Income from Auxiliary Services
Misc. Income	Includes: interest on operating funds and reserve holding interest or University internal loans and miscellaneous charges.

EXPENDITURES

Instruction & Dept. Research	Expenditures supporting the academic programs and operations in the colleges.
Carnegie Mellon Research Institute	Expenditures from Carnegie Mellon Research Institute
Academic Support	Includes: Audio Visual Aids and Computing and Info Services.
Sponsored Research	Expenditures from restricted funds for research
Student Aid	Restricted and unrestricted aid supporting undergraduates.
Libraries	Expenditures from the libraries
Campus Operations	Operation and maintenance of physical plant.
Utilities	Expenditures for utilities and steam.
Administration	Expenses supporting administrative units.
Student Services	Includes: Enrollment Planning, Athletics and Student Affairs.
General Institutional	Includes: insurance, legal and investment agent fees.
Auxiliary Services	Expenditures from Auxiliary Services
Total Transfers	Includes: transfers to capital, debt service, and college reserves.

EDUCATION AND GENERAL OPERATING (E&GO) INCOME, EXPENDITURES AND TRANSFERS

E&GO BUDGET The E&GO budget allocates unrestricted income in the General Fund to support the basic educational and administrative functions of the university. Operating costs not included in the E&GO are covered primarily by restricted funds received either as direct support for sponsored research, or as gifts or grants for particular (restricted) purposes. GSIA and SUPA income and expenditures are included in the E&GO budget. Not included, are Auxiliary Services, Mellon Institute of Research and Summer School.

INCOME

Tuition & Fees	Payments made by undergraduate, graduate and special students in accordance with University tuition and fee schedules.
Endowment Income	Income derived from endowment investments
Current Fund Investments	Earnings derived from Current Fund balances.
Gifts and Grants	Restricted and unrestricted gifts given to the University.
Research Overhead	The amount charged to research sponsors to reimburse the university for the indirect costs of administering and housing research programs.
Misc. Income	Includes: interest on operating funds and reserve holdings, interest on University internal loans, and miscellaneous charges.

EXPENDITURES

Instruction & Dept. Research Academic Support	Expenditures supporting the academic programs and operations in the colleges. Includes: the Libraries and Audio Visual Aids, and Computing and Information Services.
Student Services	Includes: Enrollment Planning, Athletics and Student Affairs.
UG Financial Aid Administration	Unrestricted aid supporting undergraduates.
Institutional Expense	Expenses supporting administrative units.
Oper. & Maint. of Plant	Includes: insurance, legal and investment agent fees.
Utilities and Steam	Operation and maintenance of physical plant.
Total Transfers	Expenditures for utilities and steam. Includes: transfers to capital, debt service, management centers, college reserves.

RESEARCH COSTS

In the listing by College and Research Center,
Other includes: Academic Computing, Computing Systems, Hunt Institute for Botanical Documentation, Center for the Design of Educational Computing, Office of the Provost, Office of the Vice President for Enrollment and General Institutional.

VOLUNTARY SUPPORT

Voluntary Support	Contributions supporting the University, excluding: income from endowment and other invested funds, and support from federal, state and local governments and their agencies.
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TUITION BENEFITS

This shows money paid to CMU faculty, staff and their dependents to take courses at CMU or other universities.

SPACE AND FACILITIES

USE CATEGORIES

Classroom	Includes all rooms used for classrooms.
Laboratory/Studio	Includes laboratory and studio facilities, used both as classrooms and for research.
Office	Includes offices, office support areas and office-related conference rooms.
Other	Includes Special Use Facilities (e.g. the gym), General Use Facilities (e.g., lounge or dining facilities), Support Facilities (e.g. computer, shop and storage rooms) and Health Care Facilities.
Building Support	Includes circulation, custodial, mechanical and structural areas.

BUILDING ABBREVIATIONS

B/P	Baker/Porter
CC	College Club
CFA	College of Fine Arts
DH	Doherty Hall
EDSH	Elliott Dunlap Smith Hall
FMR/MSL	Field & Mobile Robotics Building / Mine Safety Laboratory Building
GSIA	Graduate School of Industrial Administration
G	Gym
HBH	Hamburg Hall
HH	Hammerschlag Hall
HL	Hunt Library
MMC	Margaret Morrison Carnegie Hall
M I	Mellon Institute
PPB	Physical Plant Building
PRB	Planetary Robotics Building
PUB	Publications and Printing Building
SH	Scaife Hall
SKIBO	Skibo
UCC	UCC
WEH	Wean Hall
WH	Warner Hall

