

Teaching and Academic Support

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Teaching and Academic Support

Data Sources:

The data used for the teaching and academic support section of this book come from:

Academic Development: Academic Development

Eberly Center for Teaching Excellence: Eberly Center for Teaching Excellence

Library Collections and Utilization: University Libraries

Media Technology Services: Media Technology Services

Pittsburgh Council on Higher Education (PCHE) and Pittsburgh Filmmakers: Units both taught by PCHE schools and taken by PCHE students are collected through the Student Information System (SIS)

The Intercultural Communication Center: The Intercultural Communication Center

Units Taught: Student Information System (SIS)

Video Viewing Cluster: University Libraries

Definitions:

PCHE: Pittsburgh Council on Higher Education - a consortium of the ten accredited colleges and universities in Allegheny County, Pennsylvania. As part of the consortium agreement, full-time graduate or undergraduate students at each PCHE school can cross-register at any other PCHE school at no additional expense to the student.

Pittsburgh Filmmakers: Carnegie Mellon students are eligible to take courses at Pittsburgh Filmmakers at no additional expense to the student.

Units Taught:

Academic Year: Consists of the fall and spring semesters of a given academic year

Data Source: All units taught are taken from the Student Information System (SIS) at the completion of each semester.

Level: Based on the level of the student taking each course

Other: Includes units taught to special/non-degree students and students from other colleges attending Carnegie Mellon through the Pittsburgh Council of Higher Education (PCHE)

Units: A student 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 total units taught by a department calculated by summing the units taken by each student for each course taught by the department.

Academic Development
Academic Years 1998-99 to 2007-08

Academic Development's mission is to assist students in developing the skills, strategies, and behaviors needed to perform as confident, independent, and active learners. Their services are designed to help both students who are having academic difficulties and those who just want to improve their performance. Currently four programs are available to assist students: Supplemental Instruction, Peer Tutoring, Academic Counseling, and Study Groups.

Supplemental Instruction

The Supplemental Instruction (SI) Program offers review sessions for traditionally difficult courses. Sessions are offered two times each week for targeted courses and are conducted by students who have previously done well in the course. Designed to supplement, not replace, class lectures and TA recitations, the sessions are interactive and student-friendly. Attendance is voluntary. Nationwide studies have shown that SI participants earn higher grades and withdraw less often than non-SI participants.

Supplemental Instruction

	<u>1998-99</u>	<u>1999-00</u>	<u>2000-01</u>	<u>2001-02</u>	<u>2002-03</u>	<u>2003-04</u>	<u>2004-05</u>	<u>2005-06</u>	<u>2006-07</u>	<u>2007-08</u>
Unique Courses Supported with SI	9	10	17	14	15	11	18	17	18	13
Total Course Enrollment	1,127	1,247	3,094	2,258	1,771	1,805	3,006	2,741	3,257	1,908
Number of SI Sessions	202	214	360	333	281	302	477	564	586	485
Total Student SI Attendance ¹	941	1,634	5,267	3,316	4,153	4,272	6,899	7,381	6,265	5,529
Unique Student Attendance	313	513	1,243	993	1,080	1,124	1,875	1,599	1,802	1,273

Walk-in Peer Tutoring

Walk-in Peer Tutoring offers subject-specific tutoring geared primarily (but not exclusively) towards large introductory level courses. During the fall and spring semesters, tutoring is conducted on a walk-in basis in selected residence halls Sundays through Thursdays from 8:30 p.m. to 11:00 p.m., and in Cyert Hall B5 on selected afternoons.

Standing Appointment Tutoring

Standing appointments are available upon student request for various university courses. After completing a tutor request form, students meet weekly with a peer tutor to discuss and review course content.

	<u>1998-99</u>	<u>1999-00</u>	<u>2000-01</u>	<u>2001-02</u>	<u>2002-03</u>	<u>2003-04</u>	<u>2004-05</u>	<u>2005-06</u>	<u>2006-07</u> ²	<u>2007-08</u>
Walk-in Tutoring Contacts ¹	852	1,145	1,991	1,751	2,404	1,929	2,768	3,887	2,893	2,869
Standing Appointment Contact Hours	-	191	772	873	1,638	2,109	3,398	3,725	3,365	2,274

Academic Counseling

Academic Counseling provides both group and individual study skills instruction. Group workshops are available several times each semester and cover topics such as exam preparation, time management, and citing sources. Students interested in individual appointments are first given a Study Skills Assessment. Students who require additional help can meet individually with learning specialists. Workshops are open to all students.

	<u>1999-00</u>	<u>2000-01</u>	<u>2001-02</u>	<u>2002-03</u>	<u>2003-04</u>	<u>2004-05</u>	<u>2005-06</u>	<u>2006-07</u>	<u>2007-08</u>
Number of Study Skills Assessments	71	64	55	74	54	69	62	76	58
Number of Unique Students Meeting Individually with Learning Specialists	-	-	-	-	-	61	72	73	54
Total Individual Appointments	241	203	205	273	182	205	244	253	269
Total Workshop Attendance	251	371	253	212	498	384	-	-	266
Total Workshop Count	-	-	-	-	17	27	35	28	16
Total Contacts	563	638	513	559	734	658	1,200	644	593

Study Groups

Formal study groups were piloted in Spring 2007. The groups are facilitated by a group leader, limited to six students, and are focused on student interaction and cooperative learning.

	<u>2007-08</u>
Number of Courses Supported	12
Total Course Enrollment	1,363
Number of Sessions	194
Number of Students Attending	102
Total Contacts ¹	581

1. Students were counted each time they attended.

2. The AY 2006-07 decrease is a result of changes in the structure of services due to budget constraints.

Mission:

To enhance the quality of education at Carnegie Mellon by working with faculty and graduate students to help them better understand and improve student learning.

Approach:

- **Learner-centered:** Student learning is placed at the center of the teaching process, helping faculty and graduate students to develop course objectives, assessments, and instructional activities that together support and promote student learning and performance.
- **Educational:** Faculty and graduate students are assisted in gaining a deeper understanding of the principles that underlie effective learning and teaching so that they can make appropriate teaching decisions for their own courses.
- **Collaborative:** The center works closely with faculty and graduate students to help them identify their strengths as teachers and to jointly devise strategies for course improvement and educational innovation.
- **Constructive:** The focus is on providing constructive and practical feedback to help colleagues succeed as educators. The center's role is to support teaching, not to judge performance.
- **Data-driven:** Extensive data is gathered and analyzed through classroom observations, student focus groups, and examinations of teaching materials. The center helps faculty members and graduate students use these data to diagnose strengths and identify areas for improvement.
- **Research-based:** State-of-the-art research is applied from a range of disciplines to help faculty and graduate students design and teach more effective courses. Original research is conducted where gaps in the literature exist.

Offerings:

- Individual consultations with faculty and graduate students
- Resources for faculty, including sample syllabi, model grading rubrics, informational booklets and web-based documents
- Workshops and seminars for faculty, graduate students, and department heads
- Collaboration with faculty on educational projects
- Institutional research that impacts educational practice and policy

Clients:

Faculty members who teach and want to reflect upon and improve their teaching. This includes any faculty who are tenure-track, teaching-track, visiting, and adjunct and any graduate students who are teaching assistants, instructors, and future faculty and who are:

- new to Carnegie Mellon and want to calibrate to our students and the institution
- experienced and successful teachers who want to try new techniques, approaches, or technologies
- encountering difficulties in their courses and want help identifying and addressing problems
- new to teaching and want help getting started (including graduate students who anticipate pursuing an academic career)

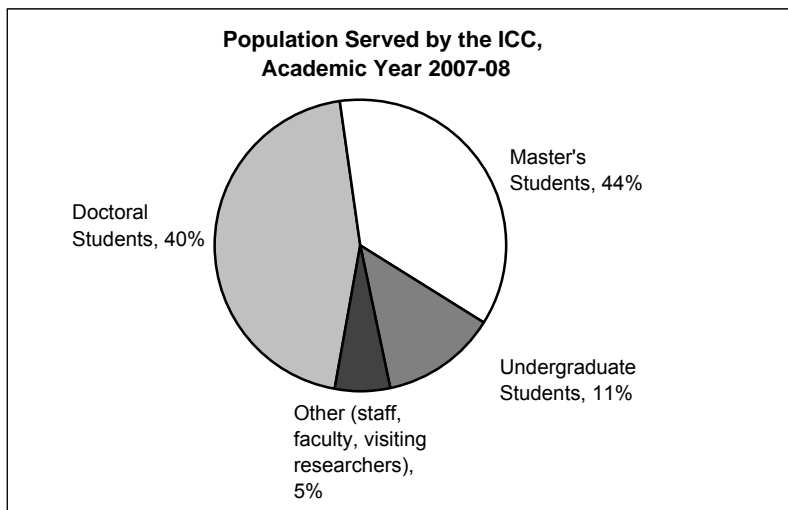
Staff:

- two cognitive psychologists
- a cultural anthropologist
- a civil and environmental engineer
- a historian
- a social psychologist
- a statistician

The Intercultural Communication Center (ICC) provides language support services to all non-native English speakers at Carnegie Mellon (international students as well as students who attended all or part of high school or college in the United States). Since the ICC's inception in 1985, this support has become increasingly crucial as the number of international students at the university has grown from 350 students to 2,681 students, now constituting roughly 14% of undergraduates and over 40% of graduate students.

The Mission of the ICC is to:

- Provide support to help non-native English speakers, both graduates and undergraduates, succeed in their academic programs:
 ICC offers over 33 classes, workshops, and seminars as well as individual tutoring throughout the academic year and summer. Students can also have a placement interview for individual feedback on language skills and recommended ICC support.
- Help international teaching assistants and faculty develop the skills needed to provide effective instruction at Carnegie Mellon:
 ICC provides training for non-native English speakers preparing for teaching assistant jobs and also assesses speaking fluency before non-native English speakers can work as TAs (required by Carnegie Mellon University policy and Pennsylvania law). If requested, ICC helps international faculty develop language skills and/or culturally appropriate teaching skills.
- Help both the university and departments identify and respond to the changing needs of non-native English speakers and international students:
 ICC offers pre-admission phone interviews to evaluate speaking fluency of international applicants. ICC also runs workshops for domestic faculty, students, and staff to help them learn to communicate more effectively with non-native English speakers.



**Assessment and Instructional Hours
Academic Years 2003-04 to 2007-08**

	<u>2003-04</u>	<u>2004-05</u>	<u>2005-06</u>	<u>2006-07</u>	<u>2007-08</u>
Assessment Hours	821	749	779	818	860
Instructional Hours	6,297	7,807	8,272	9,556	9,747

Library Collections and Utilization Fiscal Years 2004 to 2008

search.library.cmu.edu

University Libraries consists of:

- **Engineering and Science Library** - Subjects include Computer Science, Engineering, Mathematics, Physics, Science, and Technology
- **Hunt Library** - Subjects include Arts, Business, Humanities, and Social Sciences. Department and Units include Acquisitions; Archives/Digital Library Initiatives; Arts and Special Collections, including Architecture Archives, Arts Reference, Audio Collection, Fine and Rare Book Room, and Visual Resources Collection; Cataloging; Dean's Office/Business Services; Hunt Library Reference; Library Information Technology, including Operations and R&D; Access Services, including Circulation and Reserves, Interlibrary Loan, Periodicals, and Video Collection. Also located in Hunt Library: Computing Services Cluster; Hunt Institute for Botanical Documentation, including Hunt Botanical Library and Gallery; and Osher Lifelong Learning Institute
- **Mellon Institute Library** - Subjects: Chemistry and Biology
- **Off-Site Storage** - Older, infrequently-used library materials are available by request (24-hour turnaround)
- **Posner Center** - Featuring Posner Memorial Collection of rare books and artifacts; and collection exhibits
- **Qatar Library** - Subjects: Business and Computer Science
- **Other Carnegie Mellon Libraries:** Hunt Botanical Library and Gallery, Research Library, Botany and Art; Software Engineering Institute Library, Research Library: Security, Software, and Technology; and Universal Digital Library, Digitized media in all genres and subject areas, such as Books, Collections, Images, Journals, Multimedia, Music, etc.

Library Collections	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008
Total Print Volumes (Books, Bound Journals, etc.)	1,042,080	1,066,057	1,084,013	1,098,181	1,112,393
Current Subscriptions:	2,628	2,236	2,075	1,969	1,955
Periodicals, Newspapers, Government Documents					
Electronic Subscriptions	16,456	15,429	26,694	53,728	48,019
Microforms:	958,462	995,293	1,023,146	1,050,602	1,074,202
Books, Serial Titles, Government Documents					
Graphic Materials:	194,061	195,777	197,233	200,635	201,643
Unmounted Pictures and Slides					
Audio Materials:	26,408	26,708	26,960	27,098	27,455
Cassettes, Phonograph Records, CDs, Tapes					
Video Materials	8,569	9,294	9,890	10,297	10,499
Music Scores	20,173	20,170	20,169	20,168	20,069
Maps	160	161	161	161	161
Library Material Duplication					
Photocopies Made on Public Copiers	648,047	512,007	335,488	220,391	205,510
Microform Copies & Scans Made in Libraries ¹	11,753	11,183	17,760	36,848	32,289
Printing: Pages Printed from Public Laser Printers	2,162,989	2,488,931	1,056,691	1,375,431	2,068,170
Number of Visits to the Libraries					
Engineering and Science Library	159,056	145,875	146,144	145,901	167,614
Hunt Library	437,612	441,689	408,329	500,091	612,686
Posner Center	-	1,910	1,759	1,324	1,173
Virtual Visits	1,020,468	1,212,987	1,665,888	2,001,165	1,998,101
Total Visits	1,617,136	1,802,461	2,222,120	2,648,481	2,779,574
Seating					
Engineering and Science Library	158	153	151	155	155
Hunt Library	672	670	695	652	660
Mellon Institute Library	122	122	122	122	122
Total Seating	952	945	968	929	937

1. Microform scanning capability began in July 2006.

	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008
Circulation of Library Materials	164,620	158,986	130,236	127,764	101,762
Books Used in Libraries	87,795	76,413	52,746	41,583	39,113
Library Instruction					
Number of classes	171	146	136	144	156
Number of participants	3,582	2,464	2,640	3,514	2,795
Reference Questions Answered	15,725	12,745	11,684	15,751	13,814
Directional Help Given	15,047	10,406	12,816	17,975	8,616

Electronic Information Resources and Access

The University Libraries provide access to a variety of digital information, including the library catalog, other local databases, and a growing number of commercial databases that are licensed for use by the university community. Access methods continue to change as the delivery of electronic information evolves. Currently, Internet access predominates.

The web-based library catalog (Cameo) contains records of items owned by the libraries, as well as items on order or being cataloged for library collections. Cameo is part of a system that integrates acquisitions and cataloging functions with circulation, reserve, and user service functions. Users can see if items are available or checked out when they use the library catalog; they can also request services (such as Renew Item or Request Check-out item).

Users may access Cameo from any computer with Internet capability at: <http://www.library.cmu.edu>

As the digital library environment matures, more full-text documents and images are becoming available. Some vendors who are providing full-text documents are no longer reporting numbers of searches.

	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008
Searches:					
Performed using Cameo (Library Catalog) ¹	665,462	617,651	574,415	573,607	543,141
Performed to Licensed and Local Web Resources ²	606,058	887,750	736,747	428,699	564,508
Total Database Searches	1,271,520	1,505,401	1,311,162	1,002,306	1,107,649
Total Full-text Documents Retrieved²	614,647	911,820	579,350	879,462	1,099,963
Electronic Reserve Usage (Items Viewed)	114,198	286,178	89,065	75,457	103,611
Images Scanned for the Digital Library	220,446	175,170	148,261	159,423	112,715
Reference Questions Answered					
Digital	2,551	2,469	2,393	2,220	2,706
Traditional	13,174	10,276	11,684	13,531	11,108
Reserve Items Used					
Digital	114,198	286,178	89,065	75,457	103,611
Traditional	6,445	5,315	5,698	5,716	6,190

1. Estimated for FY 2006.

2. Actual counts may be higher. Some vendors do not report data; others have stopped reporting data. Vendors are changing how search and document numbers are counted.

Resource Sharing and Document Delivery**Interlibrary Loan**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>
Items Borrowed	16,180	20,144	20,020	18,624	18,431
Items Loaned	5,664	5,776	4,616	5,414	4,387

Oakland Library Consortium

Items Borrowed	306	63	520	421	530
Items Loaned	228	127	147	160	94

PALCI (Pennsylvania Academic Library Consortium, Inc.)

Items Borrowed	1,846	2,157	5,441	2,321	2,557
Items Loaned	2,757	3,532	2,119	6,808	3,192

Electronic Current Awareness Service

Individuals using site license subscription	67	71	72	73	73
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Video Collection Viewing Area**Fall 2004 to Fall 2008**

	<u>Fall 2004</u>	<u>Fall 2005</u>	<u>Fall 2006</u>	<u>Fall 2007</u>	<u>Fall 2008</u>
VCR carrels	14	14	14	14	14
Laserdisc carrels	7	7	7	7	4
DVD carrels	15	15	15	15	15

**Media Technology Services
Fiscal Years 2004 to 2008**

www.cmu.edu/computing/class-event

Available Equipment¹

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>
Video/Data Projectors	4	4	4	4	4
VCRs	2	2	6	4	4
Video/Data Monitors	1	0	N/A	N/A	N/A
Slide Projectors	4	4	N/A	N/A	N/A
Sound Systems	4	4	4	4	4
Overhead Projectors	2	2	6	3	N/A
Videodisc Players	0	1	N/A	N/A	N/A
Personal Computers	6	0	N/A	N/A	N/A
MiniDV Camcorders	-	-	8	7	3
Audio CD/Flash Recorder	-	-	-	1	1
Clip-on Microphone	-	-	35	35	40
TOTAL	23	17	63	58	56

Classrooms, Lecture Auditoriums and Teaching Clusters (level of installed equipment)¹

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>
Overhead Projector	59	69	51	20	N/A
Video/Viewing (VCR/DVD)	63	81	79	N/A	N/A
Video/Viewing (VCR)	-	-	-	23	N/A
Video/Viewing (DVD)	-	-	-	82	86
Video/Viewing (LD)	-	-	-	2	1
Data Viewing (Data Projector)	63	81	93	92	92
Data Viewing (Flat Panel)	-	-	-	2	2
Document Cameras	-	12	30	60	81

1. N/A represents retired technology and the "-" represents technology not owned at the time.

**Pittsburgh Council on Higher Education (PCHE)
and Pittsburgh Filmmakers
Academic Year 2007-08**

www.pcheпа.org

The Pittsburgh Council on Higher Education (PCHE) is a voluntary, multi-purpose consortium of the ten accredited colleges and universities in Allegheny County, Pennsylvania. Founded in 1966, the membership includes Carlow University, Carnegie Mellon University, Chatham University, Community College of Allegheny County, Duquesne University, La Roche College, Pittsburgh Theological Seminary, Point Park University, Robert Morris University, and the University of Pittsburgh. The purpose of PCHE is to provide a means for sharing resources, insights, and information among the member institutions; to engage in joint or cooperative activities and projects; and to offer a common voice on matters that affect all of the member institutions. As part of the consortium agreement, full-time undergraduate and graduate students at each PCHE school can cross-register at any other PCHE school at no additional expense to the student.

Units Taken by Carnegie Mellon Students at PCHE Schools

<u>Student's College Affiliation</u>	<u>Student Level</u>		
	<u>Undergraduate</u>	<u>Graduate</u>	<u>Total</u>
CFA	120	60	180
CIT	408	249	657
Heinz	0	270	270
H&SS	375	405	780
Interdisciplinary	288	123	411
MCS	186	291	477
SCS	51	18	69
Tepper	273	117	390
TOTAL	1,701	1,533	3,234

<u>PCHE School</u>	<u>Undergraduate</u>	<u>Graduate</u>	<u>Total</u>
Carlow University	12	0	12
Chatham College	51	0	51
Community College Of Allegheny County (CCAC)	72	9	81
Duquesne University	51	27	78
University of Pittsburgh	1,515	1,497	3,012
TOTAL	1,701	1,533	3,234

Units Taught by Carnegie Mellon to PCHE Students

<u>College</u>	<u>Total</u>
CFA	30
CIT	505
Heinz	276
H&SS	669
Interdisciplinary	78
MCS	413
SCS	450
Tepper	243
ROTC	966
TOTAL	3,630

Units Taken by Carnegie Mellon Students at Pittsburgh Filmmakers

	<u>Student Level</u>			<u>Total</u>
	<u>Undergraduate</u>	<u>Graduate</u>	<u>Non-degree</u>	
Pittsburgh Filmmakers	522	93	27	642

Units Taught by College and Student Level
Academic Years 2003-04 to 2007-08

College	Level	2003-04	2004-05	2005-06	2006-07	2007-08
CFA	Undergraduate	87,108	85,848	85,229	85,040	86,019
	Graduate	20,803	20,335	19,938	20,871	21,319
	Special	1,820	1,270	1,262	1,281	1,876
	TOTAL	109,731	107,452	106,428	107,192	109,214
CIT	Undergraduate	67,913	69,217	69,843	70,122	71,070
	Graduate	61,583	62,359	62,217	67,399	71,534
	Special	883	909	690	843	696
	TOTAL	130,379	132,485	132,750	138,364	143,300
HEINZ	Undergraduate	1,416	1,986	1,410	1,752	1,546
	Graduate	33,464	36,677	39,006	43,682	50,103
	Special	138	354	282	288	312
	TOTAL	35,018	39,017	40,698	45,722	51,961
H&SS	Undergraduate	144,093	146,760	145,683	152,908	159,447
	Graduate	15,807	17,115	16,325	15,628	16,278
	Special	1,830	1,248	1,509	1,251	1,455
	TOTAL	161,730	165,123	163,517	169,787	177,180
Inter-disciplinary	Undergraduate	11,247	14,186	11,245	11,762	11,403
	Graduate	34,847	41,506	42,272	41,776	43,508
	Special	90	111	105	198	129
	TOTAL	46,184	55,803	53,622	53,736	55,040
MCS	Undergraduate	91,808	97,876	100,503	103,657	105,368
	Graduate	17,668	18,140	17,777	18,332	19,385
	Special	557	632	536	556	733
	TOTAL	110,033	116,648	118,816	122,545	125,486
SCS	Undergraduate	41,636	41,493	42,027	45,247	48,824
	Graduate	52,542	56,995	58,109	62,206	63,738
	Special	1,100	1,178	1,037	873	1,113
	TOTAL	95,278	99,666	101,173	108,326	113,675
Tepper	Undergraduate	36,997	37,309	38,145	36,474	38,244
	Graduate	88,908	75,102	70,376	69,599	74,146
	Special	480	333	378	462	330
	TOTAL	126,385	112,744	108,899	106,535	112,720
Other	Undergraduate	7,332	6,749	7,141	6,371	5,956
	Graduate	1,647	2,084	2,245	2,144	2,709
	Special	1,050	1,068	1,089	873	1,020
	TOTAL	10,029	9,901	10,475	9,388	9,685
GRAND TOTAL	Undergraduate	489,550	501,423	501,226	513,333	527,877
	Graduate	327,269	330,313	328,264	341,637	362,720
	Special	7,948	7,103	6,888	6,625	7,664
	TOTAL	824,767	838,839	836,377	861,595	898,261

Units Taught by Department and Student Level
Fall Semester 2007 and Spring Semester 2008

College	Department	Fall 2007				Spring 2008			
		UG	Grad	Special	Total	UG	Grad	Special	Total
CFA	Architecture	11,040	1,459	9	12,508	10,184	1,442	27	11,653
	Art	6,307	870	0	7,177	5,793	932	10	6,735
	Design	6,094	2,402	57	8,553	6,073	2,172	54	8,299
	Drama	10,501	2,648	0	13,149	9,517	2,576	15	12,108
	Interdisciplinary	1,161	42	9	1,212	1,934	69	0	2,003
	Music	8,888	3,531	843	13,262	8,528	3,177	852	12,557
	TOTAL	43,991	10,952	918	55,861	42,028	10,368	958	53,353
CIT	Biomedical Eng	2,346	1,344	12	3,702	2,919	1,717	21	4,657
	Chemical Eng	4,806	4,479	72	9,357	4,430	4,118	30	8,578
	Civil & Environmental Eng	3,396	3,691	111	7,198	3,413	3,119	102	6,634
	Electrical & Computer Eng	10,139	13,968	96	24,203	8,748	13,062	60	21,870
	Eng & Public Policy	654	2,611	0	3,265	2,709	2,825	12	5,546
	Information Networking Institute	6	2,285	0	2,291	12	2,100	0	2,112
	Interdisciplinary	1,023	160	0	1,183	1,755	276	21	2,052
	Materials Science & Eng	3,310	3,833	12	7,155	2,410	3,745	12	6,167
	Mechanical Eng	10,012	4,118	44	14,174	8,982	4,083	91	13,156
	TOTAL	35,692	36,489	347	72,528	35,378	35,045	349	70,772
HEINZ	Creative Enterprise Mgmt	30	2,517	12	2,559	163	3,079	0	3,242
	Information Systems Management	72	2,538	0	2,610	102	1,416	0	1,518
	Masters in Public Management	48	3,654	24	3,726	24	3,492	18	3,534
	Medical Management	0	2,217	0	2,217	0	1,818	0	1,818
	Public Policy & Management	540	15,230	156	15,926	567	14,142	102	14,811
TOTAL	690	26,156	192	27,038	856	23,947	120	24,923	
H&SS	Center for the Arts in Society	894	0	15	909	1,917	0	9	1,926
	Ctr. for Neural Basis of Cognition	0	24	0	24	0	24	0	24
	Economics	9,102	36	36	9,174	10,870	45	9	10,924
	English	13,959	2,692	45	16,696	12,681	2,595	126	15,402
	History	11,334	604	90	12,028	12,054	558	102	12,714
	Information Systems Program	2,459	0	0	2,459	3,048	27	3	3,078
	Modern Languages	13,203	613	150	13,966	10,089	517	177	10,783
	Philosophy	6,177	581	81	6,839	5,739	762	30	6,531
	Psychology	10,067	1,161	36	11,264	9,599	1,317	126	11,042
	Social & Decision Sci	5,043	379	69	5,491	6,114	608	45	6,767
	Statistics	7,209	2,171	138	9,518	7,889	1,564	168	9,621
	TOTAL	79,447	8,261	660	88,368	80,000	8,017	795	88,812
Inter-disciplinary	CM University-Wide Studies	5,199	33	18	5,250	1,254	60	3	1,317
	Computational Biology	24	351	54	429	12	317	24	353
	Entertainment Technology	60	6,114	0	6,174	99	5,703	12	5,814
	Information Systems Management	546	14,874	12	15,432	474	11,463	6	11,943
	International Education	900	72	0	972	1,368	36	0	1,404
	Silicon Valley	0	2,208	0	2,208	0	2,178	0	2,178
	StuCo (Student Led Courses)	393	45	0	438	1,074	54	0	1,128
TOTAL	7,122	23,697	84	30,903	4,281	19,811	45	24,137	
MCS	Biological Sci	6,862	2,505	48	9,415	6,861	2,462	27	9,350
	Chemistry	12,048	3,249	69	15,366	10,495	2,958	16	13,469
	Interdisciplinary	123	48	0	171	150	93	0	243
	Mathematical Sci	24,850	1,977	226	27,053	20,378	1,820	231	22,429
	Physics	12,085	2,137	27	14,249	11,516	2,136	89	13,741
TOTAL	55,968	9,916	370	66,254	49,400	9,469	363	59,232	
SCS	Computer Science	21,747	10,123	304	32,174	22,727	8,651	173	31,551
	Human-Computer Interaction	732	3,488	54	4,274	646	2,655	12	3,313
	Institute of Software Research Int'l	78	2,675	33	2,786	81	2,368	24	2,473
	Language Technologies Institute	138	5,246	99	5,483	480	5,172	36	5,688
	Machine Learning	294	2,493	192	2,979	204	2,436	48	2,688
	Robotics	478	5,150	24	5,652	1,207	4,670	108	5,985
	Software Eng	6	4,103	0	4,109	6	4,508	6	4,520
TOTAL	23,473	33,278	706	57,457	25,351	30,460	407	56,218	
Tepper	Business Adm	20,796	225	18	21,039	17,250	90	54	17,394
	School of Business	78	39,706	132	39,916	120	34,125	126	34,371
	TOTAL	20,874	39,931	150	60,955	17,370	34,215	180	51,765
Other		2,820	1,335	597	4,752	3,136	1,374	423	4,933
GRAND TOTAL		270,077	190,015	4,024	464,116	257,800	172,706	3,640	434,145