

**2005-2006 ANNUAL REPORT
INDUSTRIAL PRACTICE PROGRAMS
ERIK JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE
THE UNIVERSITY OF TEXAS AT DALLAS**

INTRODUCTION:

The academic Year 2005-2006 (Fall 2005, Spring and Summer 2006) showed student assignments, salaries and employer participation at a decline over the previous academic year for the Jonsson School IP Programs.

A total of 159 companies hired students, and, as during the last academic year, the IP Programs now rely heavily on small- and medium-size firms. Since these companies do not hire multiple students, the average number of assignments per employer remained low, at 2.03 assignments each semester, down from 2004-2005. Although many of the large telecommunications firms are returning to the IP Programs, the numbers reveal how we have benefited from a concentrated outreach to non-traditional companies. We have cultivated new ground for continuing assignments in the small- and medium-size companies as well as with those returning larger organizations.

Out of the 159 hiring companies, 63 were first-time IP Programs employers.

STAFFING:

Changes in staffing were numerous during the 2005-2006 academic year. In September 2005, Lucretia Ensminger resigned her position working mainly with employers as Student Placement Administrator. This position has since been filled by temporary employees. In September 2005, Gary Steele joined the IPP team, filling the coordinator position vacated seven months earlier. Ann Willis remained in her Coordinator position, and Sharon Allen remained on staff as Director of IPP. The IPP Programs were transferred in Fall 2006 to the leadership of Dr. Simeon Ntafos, Associate Dean.

FEES:

The fee structure for the IP Programs remained the same in 2005-2006. International students pay a Curricular Practical Training (CPT) Placement Fee of \$100.00 per semester when working on an IPP assignment.

The IP Programs continued to receive 50% of the CPT Placement Fees. The International Student Services Office retained 50% of the CPT Placement Fees.

FACILITIES:

The IP Programs continue to be housed in the Jonsson School's Student Services Suite in the south wing of the Engineering and Computer Science Complex. The IP Programs occupy five offices in the Advising Suite located in ECS South, Suite 2.502

STUDENT PARTICIPATION:

Program Orientations:

A total of 59, including 40 one-on-one meetings, IPP Orientation Sessions were held in 2005-2006. 329 Jonsson School students attended these orientations.

This number is an increase from the previous year with 29 sessions and a total of 329 attendees in 2004-2005.

Student Registrations:

By the end of the academic year, a total of 1,112 students were registered. This is a 2% decrease over the 1,137 student registrants in 2004-2005.

Student Assignments:

	FALL	SPRING	SUMMER	TOTALS
CE Grds	3	5	9	17
CS Undergrds	49	40	41	130
CS Grds	87	36	52	175
EE Undergrds	25	22	41	88
EE Grds	19	14	23	56
SE Undergrds	5	4	5	14
SE Grds	16	13	12	41
TE Undergrds	4	5	5	14
TE Grds	5	4	4	13
TOTALS	213	143	192	548

There is a decline of 32 student assignments from 2004-2005, a 6% decrease.

For the fifth year in a row, employers were more likely to hire graduate level students. They seem to prefer students who can make an immediate contribution to completing corporate projects. However, there was a notable increase in assignments for Undergraduate Computer Science and Telecommunications Engineering. There is a notable decrease in Graduate Computer Science and Electrical Engineering.

STUDENT SALARIES:

<u>MAJOR/DEGREE</u>	<u>LOW</u>	<u>AVG</u>	<u>HIGH</u>
CS and SE – Undergraduate	\$ 6.40/hr	\$16.60/hr	\$28.85/hr
CS and SE – Graduate	\$ 8.08/hr	\$20.57/hr	\$54.00/hr
EE and TE – Undergraduate	\$ 6.25/hr	\$15.60/hr	\$23.65/hr
CE, EE, and TE – Graduate	\$ 10.00/hr	\$24.69/hr	\$40.87/hr

The bolding of the hourly rates indicates an increase in the pay rates from 2004-2005. This is primarily due to some of the larger corporate organizations increasing their co-op/internship participation.

STUDENT EARNINGS:

Based on the above assignment levels and average student salaries, IP Programs students earned approximately \$6,095,350.60 while working on IPP assignments in 2005-2006. This is a slight decrease in total dollars compared to the \$6,117,775 earned in 2004-2005. Approximately six million dollars is a substantial addition to the dollars Jonsson School students have available to pay for their education.

EMPLOYER OUTREACH:

The IP Programs maintain an extensive database with listings of both active and prospective employers. IPP currently works with approximately 500 of active contacts from those employers.

Due to staffing and a database transition during the academic year, electronic outreach to employers was less than in the previous year. However, there was an increase in employers interviewing on campus and conducting information sessions.

EMPLOYER PARTICIPATION:

Resume Referrals:

	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006
# Companies	140	87	88	115	137	135
# Referrals	232	128	144	166	248	271
# Resumes	15,456	9,928	8,668	9,471	11,296	8,753

Hiring Companies:

	FALL	SPRING	SUMMER	TOTALS
CE	3	4	9	
CS	69	52	61	
EE	31	23	39	
SE	16	12	13	
TE	8	6	6	
TOTALS	98	74	97	159

* These numbers do not sum. Employers are active in all five academic majors, at the graduate and undergraduate levels, and in each of the three semesters. This is a decrease of 27 employers over the 186 employers that hired IPP students in 2004-2005.

63 of the 159 employers were first-time participants in the IP Programs. Without the new employers, the overall number of assignments would be much lower.

STUDENT PERFORMANCE APPRAISALS:

	Exceptional (4)	Very Good (3)	Average (2)	Marginal (1)	Unacceptable (0)	Non-Applicable	Total Responses	Average Rating	Percent Rated 3 or 4
Relations With Others	141	218	18	1		1	379	3.31	94.72
Judgment	87	239	45			7	378	3.06	86.24
Ability to Learn	208	155	15			1	379	3.50	95.78
Communication Skills	102	199	73	2		1	377	3.06	79.84
Technical Skills	123	203	47	2		3	378	3.17	86.24
Teamwork Skills	153	192	24	1		9	379	3.26	91.03
Dependability	178	173	24	1		1	377	3.40	93.10
Quality of Work	132	209	31			3	375	3.25	90.93
Quantity of Work	119	200	48	2		3	372	3.16	85.75
Educational Preparation for Assignment	102	195	56	2		21	376	2.94	78.99
Potential for Greater Responsibility	152	195	21	2	1	3	374	3.31	92.78
Overall Performance	138	217	24			6	385	3.25	92.21
Comparison With Other Students at Same Level	98	146	34		1	51	330	2.72	73.94

	Regular	Irregular
Attendance	349	3
Punctuality	342	1

Student ratings for 2005-2006 increased in the categories of Judgment, Dependability, and Quantity of Work. Communication Skills, Educational Preparation and Comparison of Students at Other Institutions are the lowest rated abilities.

STAFF DEVELOPMENT:

Sharon Allen

- ✓ Assisted with and participated in SWE Mock Interviews (October 05 and March 06)
- ✓ Participated in the following two-hour seminars offered by the UTD Office of Human Resources:
 - “Harnessing the Power of Emotional Intelligence,” November 17, 2005
 - “Conducting Effective Annual Performance Reviews,” February 3, 2006
 - “Emotional Intelligence Practicum: Know Yourself,” February 28, 2006
- ✓ Attended SWACE “Forensic Ethics Workshop,” at TCU (November 18, 2005)
- ✓ Attended UTD Career Center “Career Fair” on September 15, 2005
- ✓ Attended TX CEIA Workshop in Dallas, TX (January 1, 2006)
- ✓ Assisted with TSPE with Annual Breakfast (April 7, 2006)
- ✓ Attended Industry Fair at Lockheed Martin in Grand Prairie, TX (February 23, 2006)
- ✓ Attended NACElink Annual Meeting in Phoenix, AZ (March 20-21, 2006)
- ✓ Attended CPT Meetings presented by ISSO

Ann Willis

- ✓ CSO (IPP JobLink) Training Sessions for IPP JobLink
- ✓ Assisted with TPSE Breakfast Meeting on April 7, 2006
- ✓ Attended SWE Mock Interviews (October 2005)
- ✓ Cooperative Education and Internship Association Conference (CEIA) from April 23-26, 2006 in Cincinnati, Ohio
- ✓ IEEE Meeting on January 30, 2006
- ✓ Attended CPT Meetings presented by ISSO

Gary Steele

- ✓ CE/CECI Workshop in San Antonio, TX (January 2006)
- ✓ TxCEIA Workshop in Dallas, TX (January 2006)
- ✓ NACE Workshop in Phoenix, AZ (March 2006)
- ✓ CEIA Board Meeting in Cincinnati, OH (September 2005)
- ✓ Attended the CEIA Board Meeting while presiding as president (Orlando, FL; January 2006)
- ✓ Attended the CEIA Board Meeting, to celebrate 100 years of Co-op in America, while presiding as president (Cincinnati, Ohio; April 2006)
- ✓ Visited CSO (Austin, TX) and UT Austin- School of Engineering for Database Review (May 2006)
- ✓ Attended SWE Banquet
- ✓ Attended SWACE “Forensic Ethics Workshop,” at TCU (November 18, 2005)
- ✓ Attended workshop in Dallas, TX on “Identity Theft” conducted by the regional director of Homeland Security

PROFESSIONAL ASSOCIATIONS:

Sharon Allen is a member of Dallas HR and the Society of Human Resources Management

The IP Programs retain membership in: CEIA, CED, TxCEIA, NACE, and SWACE

Gary Steele is serving as past president of CEIA

OTHER PROFESSIONAL CONTRIBUTIONS:

Sharon Allen participated in a series of Management Team meetings sponsored by the UTD Career Center with Michael Doty of the Career Center; Judy Guyer of the School of Management; and Valerie Williams of the School of Social Science

Gary Steele wrote three articles for the national newsletter of CEIA

Gary Steele participated in nominating a student for the national “Intern of the Year” Award

Gary Steele served as lead administrator on IPP's database conversion

Gary Steele assumed full responsibility as the web master for the IPP website and new database system

Gary Steele was able to have three of our students nominated for Summer 2007 Internships at the national level for a new FBI Information/ Security Program

STUDENT OUTREACH:

5 classroom presentations (total of 150 students), Fall 2005, Cort Steinhorst, Sr. Lecturer CS

5 classroom presentations (total of 150 students), Spring 2006, Cort Steinhorst, Sr. Lecturer CS

2 classroom presentations (total of 150 students), Fall 2006, Nathan Dodge, Sr. Lecturer EE

Periodic e-mails to students regarding orientations, work reports and special events

Promoted IPP through ongoing Power Point present for plasma screens in ECS buildings

JONSSON SCHOOL AND UTD ACTIVITIES:

The staff of the IP Programs contributed to the overall activities of the Jonsson School and UTD by participating in and supporting such activities as:

UTD Career Center Career Fairs

Texas Engineering and Technical Consortium (TETC) – All Across Texas

SWE Mock Interviews

Texas Society of Professional Engineers' Student Chapter Annual Banquet

INROADS

Dean's Reception in Osborne Conference Room

EMPLOYER EVENTS:

Companies are continuing to interview for co-op and intern positions on campus. Companies holding campus interviews include: Ericsson, Raytheon, Health Management Systems, Bell Helicopter, Texas Instruments, and Center for Transportation Research.

Companies holding Information Session on campus were Ericsson (2 sessions) and Research in Motion (1 session).

Employers who met with IPP staff on campus were: Tekelec, INROADS, HRSmart, Cisco, Research in Motion, USAA, Hershey's and Ayoka. The IPP staff met with Electronic Data Systems on site at their Legacy office.

Please see following pages for comparison of top employers for 2004-2005 and 2005-2006.

INDUSTRIAL PRACTICE PROGRAMS TOP EMPLOYERS 2005-2006

TEXAS INSTRUMENTS INCORPORATED	42
JP MORGAN CHASE	27
MARY KAY INC.	27
ERICSSON, INC.	19
ALCATEL USA	14
INTEL CORPORATION	13
QUALCOMM INCORPORATED	13
CISCO SYSTEMS, INC.	12
TYCO ELECTRONICS POWER SYSTEMS	12
VIEWLOCITY	12
NORTEL NETWORKS	11
SABRE HOLDINGS	11
TEKTRONIX	11
HEALTH MANAGEMENT SYSTEMS, INC.	10
INTERVOICE, INC.	8
SRI PRODUCT DEVELOPMENT	8
FUJITSU NETWORK COMMUNICATIONS	7
LANGUAGE COMPUTER CORPORATION	6
NETHAWK CORPORATION	6
TEKELEC	6
T-MOBILE	6

2004-2005

TEXAS INSTRUMENTS INCORPORATED	60
VIEWLOCITY	30
ALCATEL USA	19
ERICSSON, INC.	19
JP MORGAN CHASE	17
MARY KAY INC.	17
TYCO ELECTRONICS POWER SYSTEMS	17
IPNETFUSION, INC.	16
NOKIA TELECOMMUNICATIONS INC.	15
NORTEL NETWORKS	15
MOTOROLA	12
QUALCOMM INCORPORATED	11
INTERVOICE, INC.	10
T-MOBILE	9
SABRE HOLDINGS	7
NETSUCCESS, INC.	6
OPTIMAL SOLUTIONS INTEGRATION, INC.	6
RAYTHEON SYSTEMS GROUP	6
SYCHIP, INC.	6
TEKTRONIX	6
VIRTUAL SURVEILLANCE, LLC	6