

Cooperative Education 2004-2005

Summary of Working Students

Average Cumulative GPA of Students: 3.19

Arts & Science	3.18
Business	3.40
Engineering	3.07

Number of Graduates: 91

Number of New Placements: 186

Total Employers: 115

Total Students: 327

Arts & Science	32
Business	55
Engineering	240

Participating Majors:**Arts & Science**

Biology (BIO)	1
Criminal Justice Studies (CJS)	2
Communication (CMM)	2
Computer Science/Computer Information Systems (CPS-13/CIS-5)	18
History (HST)	1
International Studies (INS)	1
Journalism (JRN)	2
Math (MTH)	1
Physics (PHY)	1
Psychology (PSY)	1
Sociology (SOC)	1
Visual Communication Design (VCD)	1

Business

Accounting (ACC)	35
Entrepreneurship (ENT)	2
Finance (FIN)	7
Management Information Systems (MIS)	6
Marketing (MKT)	4
Operations Management (OPS)	1

Engineering

Chemical Engineering (CME)	36
Civil Engineering (CEE)	46
Computer Engineering (CPE)	15
Electrical Engineering (ELE)	17
Mechanical Engineering (MEE)	94
Computer Engineering Technology (CET)	5
Electronic Engineering Technology (EET)	1
Industrial Engineering Technology (IET)	8

Manufacturing Engineering Technology (MFG)	1
Mechanical Engineering Technology (MCT)	17

Employers and Employers Locations

Companies Employing the Largest Number of Students

GE Aircraft Engines	23
Wright-Patterson AFB	15
MeadWestvaco	14
UD Research Institute	14
YSI, Inc.	13
Miller-Valentine Group	11
Parker Hannifin Corp.	11
Cornerstone Research Group	10
Deloitte and Touche	10
Plastic Trim LLC	6
Toyota	6
Valeo	6

Work Locations

Dayton Area & Southwest Ohio, including Cincinnati	81%
Other Ohio Locations	8%
Out of State	10%

Greater Dayton Area Locations

A.E. Staley - Tate & Lyle	LJB Group, Inc.
A.O. Smith Electrical Products Co.	MacAulay Brown Inc.
Adventure Central	MeadWestvaco
AK Steel	Messer Construction
ATK Mission Research	Miller Valentine Group
Auto Disposal Systems	Montgomery Co. Engineer's Office
Barco Simulation, Inc.	Montgomery Co. Sanitary Engineers
Battelle & Battelle LLP	Morris Bean & Co.
Beta LaserMike	National Composite Center
Brady, Ware & Schoenfeld, Inc.	Nextech
C.H. Dean & Associates	Parker Hannifin Corp.
ChemStation International	Parker Thermal Plastics
Clark, Schaefer, Hachette & Co.	Plastic Trim LLC
Cornerstone Research Group, Inc.	PricewaterhouseCoopers LLP
Dakota Center	Root & Co. CPA's Inc.
Danis Building Construction Co.	Shook Building Group
DAP, Inc.	Smitd Aerospace
Daybreak	Softronics, Inc.
Dayton Christian Center	Speedway SuperAmerica LLC
Debye Research Corp.	Spherion on Premise at Trimble

Deloitte & Touche	TEC Engineering
Delphi Corp.	TesTech Inc.
DRT Mfg. Co.	The Bootd House
Duvall & Associates, Inc. CPA	Thorn, Lewis & Duncan, Inc
East End Community Services	UD Industrial Assessment Ctr.
Ernst & Young LLP	UDIT
Gary Bardon CPA Inc.	UDRI SID -AMC Group
GE Consumer Finance RSF	UDRI SID - IMMC Group
Globe Motor	UDRI SID - NDE Group
Goodrich Corp.	Ulliman Schutte Construction
Heartland Federal Credit Union	Unison Industries Elano Div.
Hobart Corp.	WebCore Technologies
Kentner Sellers, LLP	Woolpert LLP
Kodak Versamark, Inc.	YSI, Inc.

Ohio Employers

Anheuser-Busch Inc.	Howard, Wershale & Company
BP	KPMG LLP
Burke & Schindler, PLL	Maratdon Ashland Petroleum LLC
Camp, Dresser & McKee	MeadWestvaco
CDI Business Solutions	Minister Machine Company
Cinergy Corporation	Moyno, Inc.
Cooper Tire & Rubber Company	NewPage Corp.(formerly MeadWestvaco)
Copeland Corporation	Premier System Integrators, Inc.
Cornerstone Consolidated Serv. Grp.	PricewaterhouseCoopers LLP
Crown Equipment Corporation	Progressive Insurance
Crown Equipment Corporation	R.A. Jones & Co. Inc.
GBC Design	Rippe & Kingston Co. PSC
GE Aircraft Engines	Ruhlin Company
GE Energy	Showa Aluminum Corp.
Grant Thornton LLP	Valeo
HNTB Companies	Wayne Trail Technologies
Honda of America, Mfg. Inc.	Whiting-Turner Contraction Co.
Honda Transmission Mfg.	

Federal Employers

SOCHE	Wright-Patterson AFB
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Employers within the USA

Boeing Company	IBM Corp.
BP	Pratt & Whitney
CTE Engineers	Rohm & Haas Company

Cordis Corp.	Tiara Yachts
Federal Mogul Sealing Systems	Toyota
Follmer Rudzewicz Advisors, Inc.	USG Corp.
GE Consumer & Industrial	Weyerhaeuser, Inc.
Georgia-Pacific Corporation	

Semester of Service

In the Fall 2004 and Winter 2005 terms, 11 students participated in the Semester of Service program. Coordinated by the Raymond L. Fitz, S.M. Center for Leadership in Community and run through Cooperative Education, students work full-time at a nonprofit center or agency to complement their academic or career interests. The students then bring back these experiences to share in the classroom.

Majors participating

Communications	Criminal Justice Studies
Journalism	Psychology
History	Sociology
International Studies	Visual Communication Design

Participating partners

Adventure Central	Daybreak
Dayton Christian Center	The Booth House
Dakota Center	East End Community Services

On-Campus Interviews and Resume Referrals

Students Interviewed	253
Interviews Conducted	1075
Companies Attending	95
Companies Requesting Resumes (Not Interviewing On-Campus)	119

Average Salaries
Per Semester \$8784.07 Per Hour \$15.34
Total Reported Earnings \$3,592,684.80

	Number of Students	Average Hourly Salary	Highest Hourly Salary	Lowest Hourly Salary
Experienced Business Majors	20	\$16.10		
Accounting	7	\$17.50	\$19.00	\$16.50
Finance	4	\$16.18	\$18.25	\$15.00
Management Information Systems	4	\$15.13	\$15.25	\$14.75
Marketing	3	\$14.50	\$16.50	\$13.50
Operations Management	2	\$15.38	\$16.00	\$14.75
First Term Business Majors	43	\$15.41		
Accounting	30	\$15.90	\$20.00	\$9.00
Entrepreneurship	3	\$14.07	\$16.50	\$12.00
Finance	5	\$15.10	\$17.50	\$12.00
Management Information Systems	3	\$14.24	\$18.75	\$11.00
Marketing	1	\$13.73	\$13.73	\$13.73
Operations Management	1	\$11.97	\$11.97	\$11.97

Experienced Arts & Science Majors	27	\$15.02		
Computer Information Systems	8	\$14.43	\$18.00	\$12.00
Computer Science	18	\$15.44	\$18.25	\$12.00
Physics	1	\$12.15	\$12.15	\$12.15
First Term Arts & Science Majors	16	\$9.09		
Biology	1	\$11.50	\$11.50	\$11.50
Communication	2	\$8.00	\$8.00	\$8.00
Computer Information Systems	1	\$12.00	\$12.00	\$12.00
Computer Science	1	\$10.29	\$10.29	\$10.29
Criminal Justice Studies	2	\$8.00	\$8.00	\$8.00
History	1	\$8.00	\$8.00	\$8.00
International Studies	1	\$8.00	\$8.00	\$8.00
Journalism	2	\$8.00	\$8.00	\$8.00
Math	1	\$11.70	\$11.70	\$11.70
Physics	1	\$12.00	\$12.00	\$12.00
Psychology	1	\$8.00	\$8.00	\$8.00
Sociology	1	\$8.00	\$8.00	\$8.00
Visual Communication Design	1	\$8.00	\$8.00	\$8.00
Experienced Engineering Majors	178	\$14.45		
Chemical Engineering	25	\$16.72	\$25.00	\$10.00
Civil Engineering	31	\$12.23	\$14.50	\$11.00
Computer Engineering	14	\$14.05	\$18.30	\$10.00
Electrical Engineering	11	\$14.84	\$18.00	\$13.00
Mechanical Engineering	72	\$14.57	\$20.41	\$8.00
Computer Engineering Technology	6	\$13.79	\$14.75	\$10.50
Industrial Engineering Technology	6	\$15.63	\$17.00	\$14.00
Mechanical Engineering Technology	13	\$14.51	\$17.50	\$12.00
First Term Engineering Majors	125	\$13.38		
Chemical Engineering	19	\$14.50	\$20.74	\$10.00
Civil Engineering	25	\$11.74	\$15.72	\$10.00
Computer Engineering	6	\$13.79	\$15.00	\$12.50
Electrical Engineering	8	\$14.25	\$16.00	\$12.00
Mechanical Engineering	51	\$13.73	\$20.31	\$10.23
Computer Engineering Technology	2	\$14.13	\$14.75	\$13.50
Electronic Engineering Technology	1	\$10.50	\$10.50	\$10.50
Industrial Engineering Technology	5	\$12.15	\$13.00	\$12.00
Manufacturing Engineering Technology	1	\$13.50	\$13.50	\$13.50
Mechanical Engineering Technology	7	\$13.47	\$17.27	\$12.00
Total Number of Students	409			

Student Work Experience Performance Evaluation

Completed by each student's supervisor at the end of every work term.

To what extent has cooperative education met each objective?		Percentages					
		High				Low	
		5	4	3	2	1	n/a
Provided							
1	practical work experience related to academic major and/or career goals.	33	41	18	7	1	0
2	a clearer understanding of organizational culture.	37	41	16	5	1	0
3	clarification and/or reinforcement of career goals.	32	46	16	5	1	0
4	a clearer understanding of the relationship between academic theory and practical application.	27	42	21	8	2	0
5	more realistic career expectations.	38	41	16	4	1	0
6	clearer understanding of courses needed that would be helpful or important to career success.	34	43	16	4	2	1
7	the opportunity to learn from professionals in the field.	59	29	9	2	1	0
8	a greater understanding of personal abilities and limitations.	37	42	15	4	2	0
9	the opportunity to apply core knowledge within the field of study.	24	35	26	11	4	0
Increased							
10	ability to use techniques, skills, and modern tools necessary for practice within the field of study.	39	37	20	3	1	0
11	understanding of professional and ethical issues.	33	47	16	3	1	0
12	motivation to continue and persist to graduation.	56	31	10	2	1	0
13	self-confidence.	40	43	13	4	0	0
14	tolerance and understanding of others.	40	47	10	2	0	1
15	ability to take initiative.	43	43	10	3	0	1
16	ability to analyze and interpret data.	40	39	16	4	0	1
17	recognition of the need for and an ability to engage in life-long learning.	43	41	13	2	1	0
Improved							
18	ability to creatively identify, formulate and solve problems.	30	49	16	4	1	0
19	ability to adapt to change.	39	45	12	3	1	0
20	development of leadership skills.	24	33	27	10	2	4
21	ability to function on multi-disciplinary teams.	34	34	19	7	2	4
22	oral presentation skills.	11	31	26	8	6	18
23	writing skills.	9	31	29	9	4	18
24	ability to work with others to accomplish a goal.	43	37	14	5	0	1
25	ability to design and conduct experiments.	24	21	17	12	2	24
26	ability to make decisions.	33	46	14	6	1	0
27	ability to set priorities.	45	39	12	3	1	0
Total Students		251					

Student Work Experience Performance Evaluation

Completed by each student's supervisor at the end of every work term.

All Majors	Percentages					
	Excellent	Above Average	Average	Below Average	Un-satis	N/A
Leadership characteristics	10	40	30	1	7	12
Effective in oral communication	16	54	26	2	0	2
Effective in written communication	16	46	30	0	0	8
Technical ability	30	49	20	1	0	0
Is effective in working with others	41	49	9	1	0	0
Analytical ability	25	55	19	1	0	0
Quality of work performed	34	54	12	0	0	0
Organizational skills	26	41	30	2	0	1
Problem solving	19	54	25	2	0	0
Takes initiative, self-starter	37	42	18	3	0	0
Accuracy and thoroughness	26	54	19	1	0	0
Diligence and perseverance	36	50	13	1	0	0
Demonstrates self-confidence	29	48	20	3	0	0
Demonstrates original and creative thinking	20	48	25	1	0	6
Employers' overall rating of UD Cooperative Education students:						
	Excellent	Satisfactory		Poor		
All Majors	78%	21%		1%		