

## Summary of 2004-2005 Placement Report

The 2004-2005 graduates were successful in finding employment, enrolling in graduate school or enlisting in the military. To gather this information, all graduates were contacted via email, phone calls, notices to academic departments, and advertisements. Of the graduates that responded, the placement rate was 95%. Only 5% indicated they are still pursuing employment, 77% indicated they are currently employed, 13% decided to enroll in graduate school, and 5% have enlisted in the military.

81% of the graduates have accepted jobs in the Midwest, with 46% in the state of Michigan. Students' interest in employment opportunities in the west coast and the south regions has increased.

The consulting industry attracted 15% of Michigan Tech graduates followed closely by manufacturing at 14% and construction at 11%. Approximately 6% of the graduates accepted positions in the automotive industry. This is a slight decrease from 2003-2004. Up and coming industries that are attracting our students include Energy/Raw Materials, the Government, and Health/Biomedical.

The job market continues to be strong for our students. There is evidence that the three major industries doing the majority of hiring are healthcare, professional and consulting services, and education. Economic forecasts show that 1 out of every 5 dollars spent in the U.S. by 2012, will be healthcare related. The job market will reflect this movement by the vast number of people hired that have a healthcare related background. This may be reason to implement nursing and physical therapy programs at MTU.

The job fairs continue to grow and are attracting diverse companies and agencies. 2004-2005 saw a 36% increase compared to 2003-2004. Both students and companies feel that job fairs are the preferred method for the job search process. About 3000 students attend our job fairs which is a reflection of its value.

Co-ops and internships are very much in demand. Many companies are hiring co-op/interns early in the fall for the summer and or following fall semester. 81 new companies registered with the MTU Co-op Program during 2004-2005. Co-op/internships are becoming the initial hiring method for many companies and agencies. Research shows that about 86% of students that co-op or intern, work for that same company. Some of the new organizations hiring co-op/interns from MTU include the Detroit Tigers, DuPont, Intel, Mayo Clinic and Mission Control.

Electronics has infiltrated the job search process. The Career Center uses a software system called "eRecruiting" to manage employers' interview schedules, job postings, and make available student resumes to employers. During 04-05, about 4000 jobs were posted and 30,000 resumes were viewed by potential employers. The "eRecruiting" software is a very effective conduit between students, companies and the Career Center.

Many of the companies recruiting at Michigan Tech state that our students are some of the best prepared and are very professional compared to other universities. To maintain this reputation, the Career Center offers at least 16 different seminars per year that help students with resume writing, interview techniques, dining etiquette, effective job search methods and negotiating job offers and benefit packages.

In 2006, the Career Center will be offering a Career Development Class: "Career Development Foundations". The basis of this course is to have the students focus on a career versus getting a job. Our goal is to have students do a thorough self examination of their skills and apply them to a professional career.

During the past 5 years, the Career Center has implemented new programs that provide students with more career development resources. To stay current with the employment trends, the Career Center is actively reaching out to new companies from various industries to entice them to recruit at MTU.

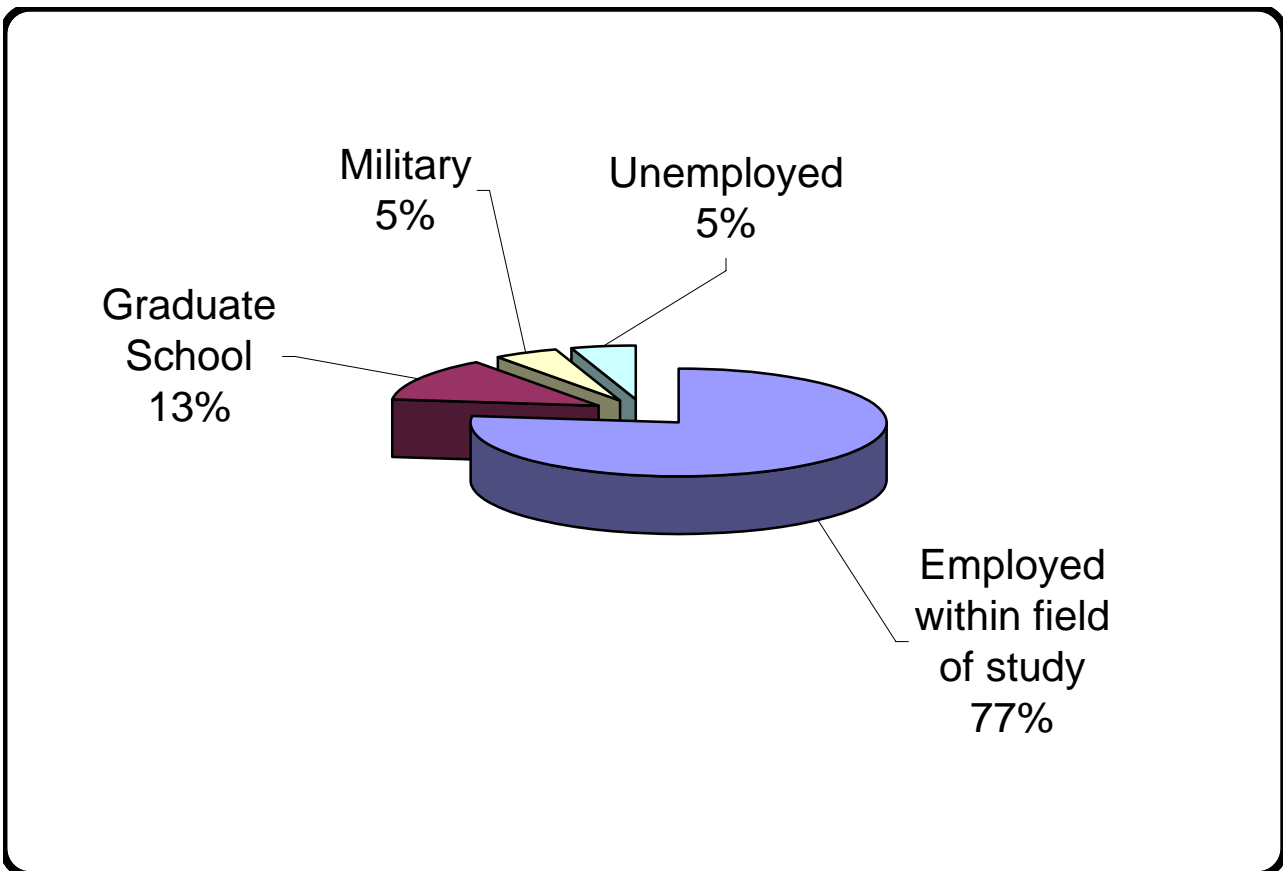
## Placement by Major

Major	Percentage
Business Administration	95%
Bio-Medical Engineering	100%
Civil Engineering	96%
Chemical Engineering	90%
Computer Engineering	100%
Electrical Engineering	96%
Environmental Engineering	100%
Geological Engineering	88%
Geology	100%
Material Science Engineering	97%
Mechanical Engineering	100%
Mining Engineering	94%
Applied Ecology & Environ. Science	100%
Forestry	80%
Biological Sciences	90%
Chemistry	100%
Computer Science	100%
Liberal Arts	100%
Mathematics	100%
Physics	100%
Social Sciences	100%
Scientific Technical Communication	83%
Clinical Lab	100%
Civil Engineering Technology	100%
Electrical Mechanical Technology	100%
Engineering Technology	92%
Land Surveying	100%
<b>Total</b>	<b>95%</b>

*Placement percentages are based on people actually contacted. Placement includes job in field of study, continuing education, or enlisted in the military.*

## Placement by Category

Category	Percentage
Employed within field of study	77%
Graduate School	13%
Military	5%
Unemployed	5%
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<b>Placed</b>	<b>95%</b>



# Graduate Placement

## Masters Degree Programs

Major	Percentage
Business Admin	NA
Civil Engineering	100%
Chemical Eng.	NA
Electrical Eng.	100%
Environmental Eng.	100%
Geological Eng.	100%
Mechanical Eng.	100%
Material Science	NA
Forestry	75%
App. Science Ed.	NA
Biology	NA
Computer Science	100%
Mathematics	NA
Rhetoric Tech. Com.	NA
Social Sciences	100%
<b>Total</b>	<b>96%</b>

## Doctoral Degrees

Civil Eng.	NA
Chemical Eng.	NA
Electrical Eng.	100%
Environmental Eng.	NA
Mechanical Eng.	NA
Forestry	NA
Chemistry	NA
Computer Science	NA
Mathematics	NA
Physics	NA
Rhetoric Com.	NA
<b>Totals</b>	<b>100%</b>
<b>Grad. Sch. Totals</b>	<b>96%</b>

*Placement percentages are based on people actually contacted. Placement includes job in field of study, continuing education, or enlisted in the military. Based on the low response of the Masters and Doctoral candidates, placement percentages should be considered carefully.*

## **Graduate Schools that Michigan Tech Students are Attending for 2005-06**

Ave Marie Law School

Clemson University

Iowa State University

Lake Erie College of Medicine

Mayo Clinic

Michigan Technological University

Montana State University

Purdue University

The Ohio State University

University of Cincinnati

University of Michigan

University of Minnesota

University of North Carolina

University of Texas at Austin

University of Wisconsin Madison

Wayne State University

Western Michigan University

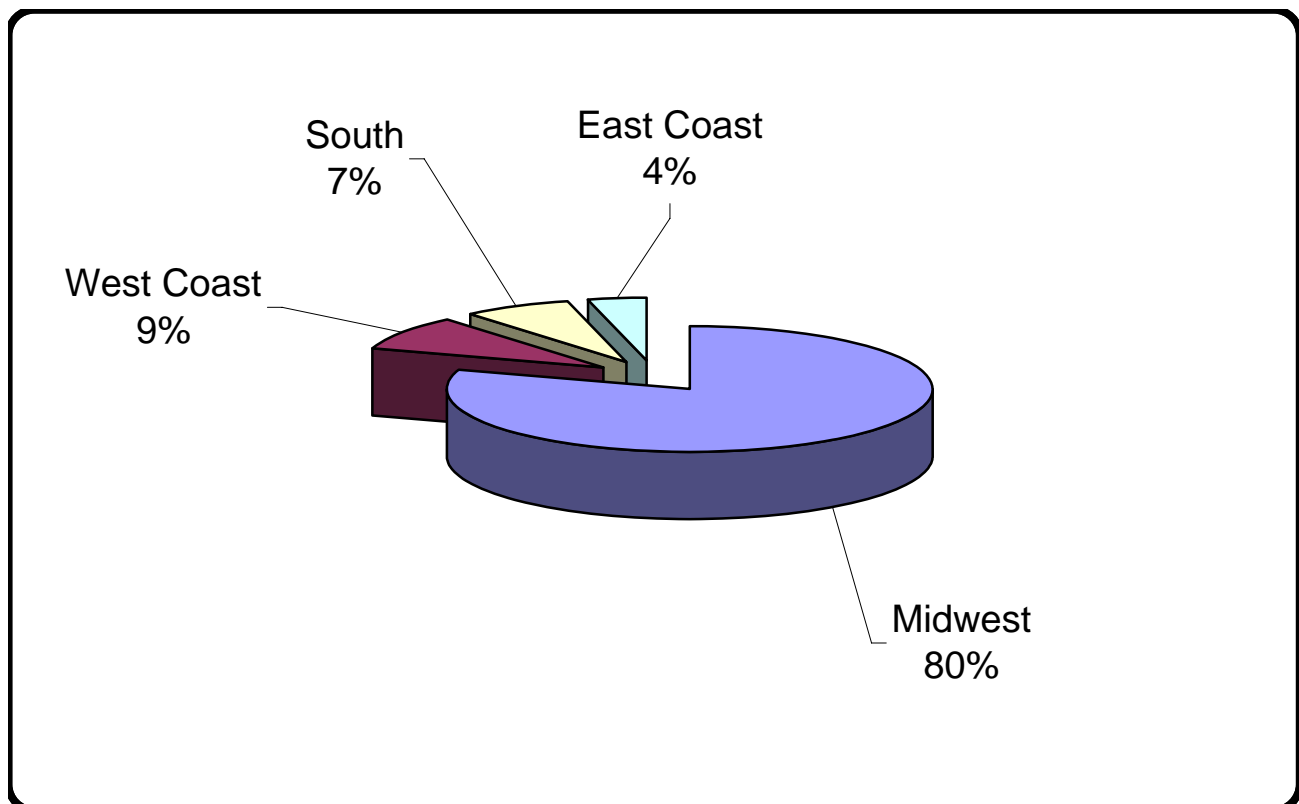
## Permanent Job Salary Survey for 2004-05

*(Bachelor's Degree candidates graduating after August 31)*

<b>Major</b>	<b>Average Salary</b>	<b>High Salary</b>	<b>Low Salary</b>
Bioengineering & Biomedical	\$43,012	\$58,000	\$33,000
Business Administration	\$39,600	\$45,000	\$30,000
Chemical Engineering	\$54,662	\$77,000	\$39,700
Chemistry	\$39,400	\$46,800	\$32,000
Civil Engineering	\$43,585	\$51,900	\$36,000
Computer Engineering	\$48,667	\$50,000	\$48,000
Computer Science	\$53,943	\$59,500	\$45,000
Electrical Engineering	\$51,704	\$61,500	\$42,000
Electrical Engineering Tech.	\$38,827	\$41,600	\$37,440
Environmental Engineering	\$45,000	\$45,000	\$45,000
Forestry	\$30,000	\$30,000	\$30,000
Management Information System	\$38,750	\$48,000	\$30,000
Material Science & Engineering	\$47,511	\$58,000	\$38,000
Mathematics	\$45,634	\$46,000	\$45,000
Mechanical Engineering	\$50,007	\$63,000	\$34,000
Mechanical Engineering Tech.	\$42,200	\$48,000	\$36,000
Mining Engineering	\$53,000	\$54,000	\$52,000
Rhetoric & Tech. Communication	\$40,000	\$40,000	\$32,000
Science & Tech. Communication	\$35,627	\$37,440	\$32,000
Surveying	\$36,600	\$42,000	\$31,200

## Placement by Location

Location	Percentage
Midwest	80%
<i>Michigan</i>	46%
<i>Wisconsin</i>	14%
<i>Minnesota</i>	9%
<i>Illinois</i>	6%
<i>Indiana</i>	2.50%
<i>Ohio</i>	2%
<i>Pennsylvania</i>	1%
<i>Iowa</i>	0.80%
West Coast	9%
South	7%
East Coast	4%



# Placement and Recruitment by Industry

## Placement by Type of Industry

<b>Industry</b>	<b>Percentage</b>
Automotive	6%
Banking/Finance	1%
Chemical/Food	10%
Computer/Software/Electronics	9%
Construction	11%
Consulting	15%
Defense/Aerospace	4%
Entertainment	3%
Energy/Raw Materials	7%
Governmental	6%
Health/Biomedical	6%
Manufacturing	14%
Other	1%
Retail	3%
Teaching	2%
Transportation	2%

## Recruitment on Campus by Industry

<b>Industry</b>	<b>Percentage</b>
Automotive	8.50%
Banking/Financial	3%
Chemical/Paper/Food	9%
Computer/Software/Electronics	11%
Construction	12.30%
Consulting	13%
Defense	3%
Entertainment/Sporting	2%
Energy/Minerals	10.20%
Governmental	5.10%
Health/Medical	4%
Manufacturing	13%
Transportation	3.40%
Other	3%

## Partial Listing of Companies/Agencies that Hired MTU Students

3M	Genie Industries	Monsanto
Accenture	GenTex	Nanosteel
ADM	Grain Processing	Naval Surface Warfare
Alcoa	Granite Construction	Nissan
Amer. Medical Systems	Great Lakes Dredge & Dock	Novaspect
Artic Cat	Grede Foundaries	Orchard Hiltz McCliment
Auto Owners	Greenheck Fan	Oshkosh Truck
B3 Computers	Guidant	Pacific Gas
Bacco Construction	Gundlach Champion	Palace Sports Entertainment
BAE Systems	Haldex	Pettibone
Baker Hughes	Hamilton Sundstrand	Pfizer
BASF	Harley Davidson Motor Co.	Phillips Plastics
Bechtel	Hess Industries	Polaris
Besse Forest	Homeland Security	Praxair
Bettis	Honeywell	Pro Basketball
Black & Veatch	Howmet	Pro Hockey
Blizzard Corp.	Hutchinson Technology	Pulte Homes
Boston Scientific	Hydraforce	Quad Graphics
Boston-Tissue Regeneration	IBM	Raytheon
Briggs & Stratton	Indian Health Service	Robert Bosch
Cable Constructors Inc.	Intel	Rockwell Collins
Cannondace Bicycle	International Paper	Rosemount
Caterpillar	International Speedway	Rowe Incorporated
Commonwealth Edison	John Deere	Schlumberg
CSX	Keweenaw Memorial Hospital	Siemens
Cummins	Keyence Corporation	Spicer Group
Daimler Chrysler	Kiewitt	Steelcase
Dana Corp.	Kimberly Clark	Strand Associates
Daxcon	Kohler Company	Stryker
Denso International America	Kraft Foods	Terex Handlers
Dept. of Defense	LA County Public Works	Tetra Tech
Detroit Diesel	Lockheed Martin	Tmobile
Dow Chemical	Louisiana Pacific	TRW
Dow Corning	Marathon Oil	Tyco
DuPont	Marquette General Hospital	U.S. Patent Office
Eaton Corporation	Massachusetts Natural Resources	U.S. Steel
Emerson	Mayo Clinic	Union Pacific
EMP	McDonald Broadcasting	United Airlines
Enterprise	Medtronic	Up & Running
Epic Systems	Mercury Marine	URS
Ernst & Young	Metso Minerals	US Gypsum
Ford Motor Co.	Miami Dolphins	USA Fire Protection
General Dynamics	MDOT	Vermont Yankee Nuclear
General Electric	Mitsubishi	Visteon
General Motors	MNDOT	Wells Fargo
		Whirlpool

## Job Fair and Interviewing Statistics

<b>Job Fair Statistics</b>	<b>Number</b>	<b>Percentage</b>
Career Day Fall 2003	113	
Career Day Fall 2004	144	
Total Increase	31	28%
Winter Job Fair 2004	57	
Winter Job Fair 2005	88	
Total Increase	31	53%
<b>Total % Increase in Companies Attending Job Fairs</b>		<b>36%</b>

### Interviewing Statistics

Companies Recruiting on Campus	241	
Interviews Schedules	551	
<b>Increase from 2003-2004</b>		<b>35%</b>
Available Interview Slots	6,408	
<b>Increase from 2003-2004</b>		<b>21%</b>
Interviews Per Student	6	
Increase of Students Using the On-Campus Recruitment System		27%
Resumes Reviewed by Employers	28,687	
Jobs Posted in the "eRecruiting" System	4,000	

# Cooperative Education/Internship Program

Co-op/Internship Statistics	Number	Percentage
Registered MTU Students	415	
Students in a Non-traditional Co-op Arrangement	233	
Increase of Co-op Employers	81	

## Demographics of Co-op Assignments

Midwest		84%
	<i>Michigan</i>	35%
	<i>Wisconsin</i>	28%
	<i>Minnesota</i>	11%
	<i>Illinois</i>	5%
	<i>Ohio</i>	5%
West		3%
East		10%
South		3%
International		0.50%

## Noted Newcomer Companies to Co-op Program

Bayer Polymers  
 Detroit Tigers  
 DuPont  
 Green Bay Blizzard Professional Football Team  
 Intel  
 Honda of America  
 Mission Control  
 Sieman  
 Tyco  
 Mayo Clinic  
 Medtronic

## Companies Hiring Largest Number of Co-op Students

Bemis  
 Caterpillar  
 Ford  
 General Motors  
 IBM  
 Kimberly Clark  
 Marathon Petroleum  
 Mercury Marine  
 MI. Dept. of Trans.  
 Rockwell Collins  
 Soils & Materials Eng.  
 Vermont Yankee

## **Points of Pride 2004-05**

Career Center attended the American Electronic Association (AeA) in Washington, D.C.

Presented to the Department of Defense HR Working Group in DC

Presented to the Department of Transportation Directors in DC

36% increase in the number of companies participating in job fairs at MTU

Sponsored 16 seminars that reached over 2,500 students

Approximately 4000 jobs were posted on the "eRecruiting" software system