Experiential Learning Summary Summer 2008 - Spring 2009

Prepared By Montana Tech Career Services





INTRODUCTION

This annual survey is conducted for the purpose of presenting information reported to Career Services by students who have accepted degree-related work experiences. The data should be viewed only as an informational resource since the responses to requests for information are voluntary and do not reflect information for all students in degree-related work experiences.

This summary is also completed as part of our continued effort to increase and expand our institutional effectiveness.

Experiential Learning:	Experiential learning refers to a work experience where furthering their degree- related knowledge and clarifying career goals are the student's primary objectives.
Со-ор:	Abbreviation for Cooperative Education. A co-op is experiential learning where the student commits full-time to degree-related employment during a regular academic semester in place of attending classes.
Internship:	An internship is experiential learning taken in conjunction with academic credit.
Job Shadow:	While job shadowing a student will observe and shadow an employer during their day-to-day activities without extensive hands-on participation.

This survey and archives of previous surveys are available online at: www.mtech.edu/career/surveys

Special Notes: Some students have reported more than one experience during the reported time so the actual number of reported experiences may be higher than the number of participating students.

Salary computations do not include volunteer experiences or job shadowing opportunities.

Specific information on each of the different colleges can be found online at www.mtech.edu/academics.

Insufficient Data (I/D): To keep salary information confidential, I/D is listed when less than three salaries are reported.

Montana Tech

Summary of Summer 2008 through Spring 2009 Experiential Learning

Published: July 2009

HIGHLIGHTS

TOTAL NUMBER OF PARTICIPATING STUDENTS	7% 21% 41%	College of Technology Freshmen Sophomores Juniors Seniors	PARTI	NUMBER OF CIPATING LOYERS
301		Graduates and Post-Bacc Unknown		154

HOURLY SALARY INFORMATION	<u>High</u>	Low	<u>Average</u>
College of Letters, Sciences, and Professional Studies	\$ 25.00	\$ 7.00	\$ 12.00
School of Mines & Engineering	\$ 36.35	\$ 6.55	\$ 18.63
College of Technology	\$ 19.00	\$ 9.00	\$ 12.58
Graduate School	\$ 27.23	\$ 12.00	\$ 19.43

GEOGRAPHIC AREA	In-State	Out-of-State
OVERALL	53%	47%
College of Letters, Sciences, and Professional Studies	94%	6%
School of Mines & Engineering	39%	61%
College of Technology	89%	11%
Graduate School	60%	40%

SUMMARY BY SCHOOL AND DEGREE AREA

	#							#
	Reported		High		Low	A	verage	Salaries
College of Letters, Sciences, and Profess	ional Stu	die	s					
Biological Sciences	1	\$	I/D	\$	I/D	\$	I/D	0
Business	4	\$	18.00	\$	9.50	\$	15.17	3
Business & Information Technology	22	\$	17.00	\$	8.00	\$	11.43	18
- Business Information Systems (Accounting) Opti	8	\$	13.00	\$	9.00	\$	12.17	6
- Business Option	6	\$	12.56	\$	8.00	\$	10.14	4
- Management Option	8	\$	17.00	\$	8.00	\$	11.53	8
Chemistry	8	\$	I/D	\$	I/D	\$	I/D	1
Computer Science	2	\$	I/D	\$	I/D	\$	I/D	0
Health Care Informatics	8	\$	12.84	\$	9.00	\$	11.17	5
Liberal Studies	11	\$	I/D	\$	I/D	\$	I/D	2
Mathematical Sciences	1	\$	I/D	\$	I/D	\$	I/D	0
Network Technology	8	\$	25.00	\$	8.50	\$	13.10	5
Professional & Technical Communication	5	\$	17.00	\$	7.00	\$	10.23	4
Software Engineering	1	\$	I/D	\$	I/D	\$	I/D	1
	71	\$	25.00	\$	7.00	\$	12.00	39
School of Mines & Engineering	40	۴	04.00	۴	0.50	۴	40.04	4.4
Electrical Engineering	16	\$	24.00	\$	9.50	\$	13.84	14
Environmental Engineering	18	\$	24.81	\$	9.00	\$	15.89	14
General Engineering	56	\$	28.85	\$	7.00	\$	14.34	48
- Civil Engineering Option	26	\$	19.00	\$	9.00	\$	13.87	24
- General Option	5	\$	16.00	\$	10.00 9.00	\$	12.25 16.10	4
- Mechanical Engineering Option	18 7	\$ \$	28.85 24.00	\$ \$	9.00 7.00	\$ \$	13.50	14 6
- Welding Engineering Option Geological Engineering	6	э \$	24.00 19.00	э \$	12.50	э \$	16.81	4
Geophysical Engineering	7	φ \$	32.89	Ψ \$	17.00	φ \$	22.99	+ 5
Metallurgical Engineering	, 11	Ψ \$	22.00	Ψ \$	15.75	φ \$	18.78	10
Mining Engineering	26	Ψ \$	26.00	Ψ \$	9.00	φ \$	17.66	22
Occupational Safety & Health	20	φ \$	28.85	φ \$	9.00 6.55	φ \$	14.66	17
- Applied Health Option	11	φ \$	22.00	Ψ \$	6.55	φ \$	12.61	7
- OSH Option	11	Ψ \$	28.85	Ψ \$	10.00	\$	16.09	, 10
Petroleum Engineering	77	\$	36.35	\$	9.00	\$	24.92	61
	239	\$	36.35	\$	6.55		18.63	195
		•		,		,		
College of Technology								
Accounting Technology	2	\$	I/D	\$	I/D	\$	I/D	0
Civil Engineering Technology	3	\$	19.00	\$	11.00	\$	14.17	3
Drafting Technology	3	\$	I/D	\$	I/D	\$	I/D	2
Metals Fabrication	1	\$	I/D	\$	I/D	\$	I/D	1
	9	\$	19.00	\$	9.00	\$	12.58	6
Graduate School								
Industrial Hygiene	4	\$	27.23	\$	12.00	\$	19.43	4
Technical Communication		\$	I/D	\$	I/D	\$	I/D	0
	5	\$	27.23	\$	12.00	\$	19.43	4

154 - NUMBER OF PARTICIPATING EMPLOYERS

301 – TOTAL NUMBER OF PARTICIPATING STUDENTS

- 2% College of Technology
- 7% Freshmen
- 21% Sophomores
- 41% Juniors
- 25% Seniors
- 4% Graduates and Post-Baccalaureates
- 0% Unknown

398 - NUMBER OF INTERNSHIP CREDITS GENERATED

151 - NUMBER OF STUDENTS TAKING INTERNSHIP CREDIT

25 - NUMBER OF CO-OP EXPERIENCES

AVERAGE HOURLY WAGE

OVERALL\$ 17.43College of Letters, Sciences, and Professional Studies\$ 12.00School of Mines & Engineering\$ 18.63College of Technology\$ 12.58Graduate School\$ 19.43

Montana Tech

Management Option

	High - \$17.00	Low - \$8.00	Average - \$11.53
IONTANA (7)			
Butte (5)	Enterprise Rent-A-Car		
	NCAT-National Center for Ap	propriate Technology	
	NorthWestern Energy		
	PPL Montana, Inc.		
	Redline Sports		
Columbus (1)	Stillwater Mining Company		
Kalispell (1)	Enterprise Rent-A-Car		
JTAH (1)	Granite Construction Compar	ny, Salt Lake City	

Chemistry

(5 Volunteer Experiences) High - I/D Low - I/D Average - I/D
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MONTANA (8)

Butte (6)	Advanced Dermatology Dr. Dixon Robison (3)
	Montana Resources, LLP (MRI)
	Peggy Lowney, D.M.D.
	St. James HealthCare
Kalispell (1)	Semitool Inc.
Missoula (1)	Montana Department of Justice - Forensic Science Division

Civil Engineering Technology

3 Reported

2 Reported

3 Reported

Average - \$14.17

8 Reported

High - \$19.00 Low - \$11.00

MONTANA (2)	
Butte (1)	Everly & Associates Consulting Engineers
Libby (1)	USDA Forest Service
ALASKA (1)	PND Engineers, Inc., Anchorage

Computer Science

(1 Volunteer Experience)	High - I/D	Low - I/D	Average - I/D	

MONTANA (1)

Butte (1)	Infomine of the Rockies
KANSAS (1)	University of Kansas, Lawrence

Drafting Technology

	High - I/D	Low - I/D	Average - I/D	
MONTANA (3)				

Butte (2)	360 Networks
	Water & Environmental Technologies (WET)
Missoula (1)	HDR Engineering, Inc.

Electrical Engineering

	High - \$24.00	Low - \$9.50	Average - \$13.84		
MONTANA (8)					
Butte (7)	Idaho National Laboratory (IN	L)			
	Montana Department of Envir	onmental Quality (DEC	Q)		
	Montana Resources, LLP (MF	RI) (2)			
	Montana Tech - Electrical Eng	gineering Department			
	MSE Technology Applications	s, Inc. (MSE-TA) (2)			
Helena (1)	Montana Department of Transportation (MDT)				
ARIZONA (1)	Freeport-McMoRan Copper & Gold Inc., Bagdad				
CALIFORNIA (1)	Hensel Phelps Construction, \$	Hensel Phelps Construction, San Jose			
COLORADO (1)	Saulsbury Electric, Ltd., Meeker				
IDAHO (1)	Idaho National Laboratory (INL), Idaho Falls				
WASHINGTON (3)	Puget Sound Naval Shipyard,	Bremerton (2)			
	Schweitzer Engineering Labs	(SEL), Pullman			
WYOMING (1)	Peabody Energy, Gillette				
()					

Environmental Engineering

High - \$24.81 Average - \$15.89 Low - \$9.00 **MONTANA (13)** Big Timber (1) Stillwater Mining Company Butte (7) Butte-Silver Bow Metals Program Montana Department of Environmental Quality (DEQ) Montana Resources, LLP (MRI) (4) Water & Environmental Technologies (WET) Helena (2) Olympus Technical Services (2) Missoula (3) Smurfit-Stone Container Corp. (3) CALIFORNIA (1) Granite Construction Company, Sacramento Chevron, Houston TEXAS (2) ConocoPhillips, Sweeney UTAH (1) Arch Coal Inc., Price WYOMING (1) Powder River Coal Company, Gillette

18 Reported

General Engineering

56 Reported

	High - \$19.00	Low - \$9.00	Average - \$13.87
MONTANA (13)			
Billings (1)	Anvil Corporation		
Bozeman (2)	Barnard Construction (2)		
Butte (5)	Hollow Construction		
	Montana Resources, LLP (MR	RI)	
	MSE Technology Applications	s, Inc. (MSE-TA)	
	Pioneer Technical Services, Ir	nc. (2)	
Dillon (1)	Rowe Excavating		
Lewistown (1)	USDOI BLM - Montana		
Missoula (3)	Montana Department of Trans	portation (MDT)	
	Rigging International		
	Spectrum Aquatics		
ALASKA (1)	Granite Northwest / Wilder Co	nstruction Company,	Anchorage
CALIFORNIA (2)	Kiewit Construction, California	ı City	
	Kiewit Pacific Co., Folsom		
FLORIDA (1)	Barnard Construction, South E	Bay	
HAWAII (1)	Kiewit Construction, Lihue		
NEW MEXICO (1)	Mosaic, Carlsbad		
OREGON (1)	Envirocon, Inc., Portland		
TEXAS (2)	Baker Concrete Construction,	Inc., Houston (2)	
WASHINGTON (1)	General Construction, Poulsbo	0	
WYOMING (3)	Arch Coal Inc., Wright		
	Baker Hughes Inc., Casper		
	WLC Engineering, Inc., Caspe	er	

General Option

	High - \$16.00	Low - \$10.00	Average - \$12.25
MONTANA (5)			
Billings (1)	Huppert Brothers Constructior	า	
Butte (4)	Montana Resources, LLP (MR	RI)	
	MSE Technology Applications Welding Services (2)	s, Inc. (MSE-TA)	

Mechanical Engineering Option				
	High - \$28.85	Low - \$9.00	Average - \$16.10	
MONTANA (11)				
Anaconda (1)	Pioneer Technical Services, I	nc.		
Butte (6)	Continental Fence			
	Montana Resources, LLP (MF	RI)		
	NCAT-National Center for App	propriate Technology		
	NorthWestern Energy			
	Pioneer Technical Services, I	nc.		
	Resodyn Corporation			
Great Falls (1)	CTA Architects Engineers			
Helena (2)	CDM-Camp Dresser & McKee)		
	Yacht Basin Marina			
Trident (1)	Holcim (US) Inc.			
CALIFORNIA (2)	Granite Construction Compan	y, Stockton		
	Kiewit Construction, California	ı City		
NEVADA (1)	Granite Construction Compan	y, Reno		
UTAH (2)	EnCana Oil & Gas (USA) Inc.	, Lisbon		
	Granite Construction Compan	y, Salt Lake City		
WASHINGTON (1)	The Boeing Company, Seattle	;		
WYOMING (1)	Powder River Coal Company,	Gillette		

Welding Engineering Option

	High - \$24.00	Low - \$7.00	Average - \$13.50
MONTANA (6)			
Butte (6)	Montana Resources, LLP (MF	RI) (3)	
	Montana Tech - MBMG		
	Welding Services (2)		
WYOMING (1)	SKVLLC, Wright		

Geological Engineering

High - \$19.00 Low - \$12.50 Average - \$16.81

MONTANA (4)

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Butte (1)	Montana Tech - MBMG
Kalispell (1)	RLK Hydro, Inc.
Nye (1)	Stillwater Mining Company
Three Forks (1)	Holcim (US) Inc.
NEVADA (1)	Newmont Mining Corporation, Elko
TEXAS (1)	Noble Energy, Houston

aincoring Ontion

6 Reported

7 Reported

8 Reported

4 Reported

11 Reported

Montana Tech

Geophysical Engineering

	High - \$32.89	Low - \$17.00	Average - \$22.99		
MONTANA (2)					
Butte (1)	MSE Technology Applications	s, Inc. (MSE-TA)			
Nye (1)	Stillwater Mining Company				
CALIFORNIA (2)	Chevron, Bakersfield				
	Venoco Inc, Santa Barbara				
COLORADO (2)	Arch Coal Inc., Somerset				
.,	Newmont Mining Corporation,	, Denver			
NEVADA (1)	Newmont Mining Corporation	, Elko			

Health Care Informatics

Volunteer Experi	ences)	High - \$12.84	Low - \$9.00	Average - \$11.17	
NTANA (8)					
Butte (2)	St. Jan	nes HealthCare (2)			
Helena (2)	Blue C	ross Blue Shield of Mo	ntana		
	Montar	na Dept of Public Healt	h & Human Services		
Kalispell (1)	Kalispe	Kalispell Regional Hospital			
Missoula (1)	Monida	Monida Health Care Network			
Whitefish (1)	North \	/alley Hospital			
Wolf Point (1)	Northe	ast Montana Health Se	ervices		

Industrial Hygiene

	High - \$27.23	Low - \$12.00	Average - \$19.43
MONTANA (2)			
Anaconda (1)	Jordan Contracting, Inc.		
Butte (1)	MSE Technology Applications	s, Inc. (MSE-TA)	
ALASKA (1)	ConocoPhillips, Anchorage		
WYOMING (1)	Rio Tinto, Gillette		

Liberal Studies

(8 Volunteer Experier	nces)	High - I/D	Low - I/D	Average - I/D
MONTANA (11)				
Butte (7)	Butte-Si Montan	Iver Bow County H Iver Bow Probation a Chemical Depend a Tech - Metallurgio ace (2)	office dency Center (2)	
Great Falls (1) Helena (1) Warm Springs (1) Whitehall (1)	Montan Montan	ynamics a Legislature a State Hospital stem Services		

1 Reported

Mathematical Sciences

(1 Volunteer Experience)	High - I/D	Low - I/D	Average - I/D	
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MONTANA (1)

Butte (1)

Butte Central Catholic High School

Metallurgical Engineering

High - \$22.00 (1 Volunteer Experience) Low - \$15.75 Average - \$18.78

MONTANA (1)	
Columbus	(1)

- ()	
Columbus (1)	Stillwater Mining Company
COLORADO (2)	Newmont Mining Corporation, Denver
	Newmont Mining Corporation, Englewood
CONNECTICUT (1)	Cytec Industries Inc., Stamford
KANSAS (1)	Ash Grove Cement Company, Chanute
MINNESOTA (1)	Cliffs Natural Resources Inc, Silver Bay
NEVADA (3)	Barrick Goldstrike Mines, Elko (3)
NEW MEXICO (1)	Freeport-McMoRan Copper & Gold Inc., Hurley
WASHINGTON (1)	Pacific Northwest Nat'l Lab (PNNL), Richland

High - I/D

Metals Fabrication

Butte (1)

MONTANA (1)	

Montana Resources, LLP (MRI)

Mining	Engi	ineer	ing

	High - \$26.00	Low - \$9.00	Average - \$17.66
MONTANA (5)			
Butte (4)	Montana Resources, LLP (MF	RI) (4)	
Whitehall (1)	Gentor		
ALASKA (2)	Alaska Interstate, Nome		
	Granite Northwest / Wilder Co	onstruction Company,	Anchorage
COLORADO (2)	Arch Coal Inc., Somerset		
	International Royalty Corpora	tion, Englewood	
IDAHO (1)	Gentor, Patterson	-	
NEVADA (2)	Barrick Goldstrike Mines, Elko	o (2)	
OREGON (1)	Knife River, Tangent		
TEXAS (3)	Kiewit Mining, Bremond (3)		
WASHINGTON (1)	Granite Northwest / Wilder Co	Instruction Company,	Everett
WYOMING (8)	Arch Coal Inc., Gillette		
	FMC Corporation, Green Rive	er (3)	
	Kiewit Mining, Point of Rocks		
	Kiewit Mining, Rock Springs		
	Peabody Energy, Gillette		
CANADA (1)	Norwest Corporation, Vancou	ver. British Columbia	

Low - I/D

26 Reported

Average - I/D

11 Reported

1 Reported

Network Technology

	(2 Volunteer Exper	iences)	High - \$25.00	Low - \$8.50	Average - \$13.10
I	MONTANA (8)				
	Anaconda (1)	Anacor	nda Job Corps		
	Bozeman (1)	Delawa	are North		
	Butte (3)	BK Co	nsulting		
		Montar	na Tech - Network Serv	vices	
		Rite Fiz	x Computers		
	Helena (1)	Montar	na Department of Trans	sportation (MDT)	
	Missoula (1)	Missou	la County Public Scho	ols	
	Ramsay (1)	Ramsa	y School District		

Occupational Safety & Health

22 Reported

8 Reported

Applied Health Option

(1 Volunteer Expe	erience)	High - \$22.00	Low - \$6.55	Average - \$12.61
MONTANA (8)				
Butte (8)	Butte	Family YMCA		
	Butte	High School		
	Monta	na Tech - Athletic Dept		
	Monta	na Tech - Wellness Pro	ogram	
	St. Ja	mes HealthCare (4)		
NEVADA (2)	Barric	k Goldstrike Mines, Elko	o (2)	
WYOMING (1)	Wyom	ing Rehabilitation Clinic	c, Sheridan	

OSH Option

	High - \$28.85	Low - \$10.00	Average - \$16.09
MONTANA (6)			
Anaconda (1)	Jordan Contracting, Inc.		
Butte (2)	Montana Resources, LLP (MF	RI)	
	Montana Tech - Environmenta	al Health & Safety	
Columbus (1)	Stillwater Mining Company		
Helena (1)	Montana State Fund		
Troy (1)	Tetra Tech, Inc.		
CALIFORNIA (1)	Hensel Phelps Construction, A	Anaheim	
COLORADO (1)	EnCana Oil & Gas (USA) Inc., Denver		
IDAHO (1)	Idaho National Laboratory (IN	L), Idaho Falls	
NEVADA (1)	Barrick Goldstrike Mines, Elko		
WASHINGTON (1)	Hensel Phelps Construction, I	Everett	

	High - \$36.35	Low - \$9.00	Average - \$24.92
MONTANA (12)			
Baker (1)	Fidelity Exploration & Product	ion Company	
Billings (1)	Jake Oil, LLC		
Butte (3)	BP		
	Montana Resources, LLP (MF	RI) (2)	
Glendive (2)	Fidelity Exploration & Product	ion Company (2)	
Havre (1)	Devon Energy Corporation		
Miles City (1)	Sanjel Corporation		
Oilmont (1)	Somont Oil Company, Inc.		
Shelby (1)	Somont Oil Company, Inc.		
Sidney (1)	SM Energy Company (former	ySt. Mary Land Explor	ation Co.)
ALASKA (1)	Packers Plus Energy Services	s, Conway	
CALIFORNIA (7)	Aera Energy LLC, Bakersfield	(2)	
	Geothermal Resource Group,		
	Venoco Inc, Santa Barbara (4		
COLORADO (4)	Anadarko Petroleum Corporat	ion, Evans	
	EnCana Oil & Gas (USA) Inc.		
	Halliburton Energy Services, (Grand Junction	
	Noble Energy, Platview		
LOUISIANA (2)	Baker Hughes Inc., Lafayette		
NEVADA (1)	Newmont Mining Corporation,		
NEW MEXICO (2)	ConocoPhillips, Farmington (2	2)	
NORTH DAKOTA (2)	Hess Corporation, Williston		
	Neset Consulting Service, Tio	-	
OKLAHOMA (7)	Chesapeake Energy Corp., O		
	Devon Energy Corporation, O	klahoma City (2)	
	Newfield Exploration, Tulsa		
TEXAS (13)	Anadarko Petroleum Corporat		
	Anadarko Petroleum Corporat	ion, The Woodlands	
	BP, Houston		
	Chevron, Houston		
	Chevron, Midland		
	Devon Energy Corporation, C		
	Devon Energy Corporation, H		
	Hess Corporation, Houston (2 Merit Energy Company, Dalla		
	Murex Petroleum Corporation		
	Packers Plus Energy Services		
UTAH (2)	Newfield Exploration, Roosev		
	Questar Corporation, Vernal	Sit	
VIRGINIA (1)	Equitable Resources, Inc., Big	Stone Gan	
WYOMING (14)	Anadarko Petroleum Corporat	· ·	
	Automotive Service Excellenc		
	Baker Hughes Inc., Casper (2		
	Citation Oil & Gas, Gillette (2)		
	EnCana Oil & Gas (USA) Inc.		
	EnCana Oil & Gas (USA) Inc.		
	Ensign US Drilling, Western V		
	Marathon Oil Company, Cody		
CANADA (8)	Canadian Natural Resources		Alberta
	Husky Energy, Inc, Lloydmins		

77 Reported

Average - \$10.23

	Nexen Inc., Calgary, Alberta
	Packers Plus Energy Services, Edmonton, Alberta
	Penn West Energy Trust, Red Deer, Alberta
	RCS Energy Services, Calgary, Alberta
	Sabretooth Energy Ltd, Calgary, Alberta
	Total E&P Canada, Calgary, Alberta
KAZAKHSTAN (1)	Baker Hughes Inc., Burlinsky District, Aksai

Professional &	Technical	Communication
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5 Reported

1 Reported

1 Reported

MONTANA (4)

Butte (1)	Montana Tech - Student Union Office
Dillon (1)	USDA Forest Service
Helena (1)	Montana Lottery
Kalispell (1)	Biz to Biz Network Inc.
WASHINGTON (1)	The Boeing Company, Seattle

Software Engineering

	High - I/D	Low - I/D	Average - I/D	
CALIFORNIA (1)	Cisco Systems Inc, San Jose			

Technical Communication

High - I/D	Low - I/D	Average - I/D
-		-

MONTANA (1)

Butte (1)

Montana Tech - PTC Dept.