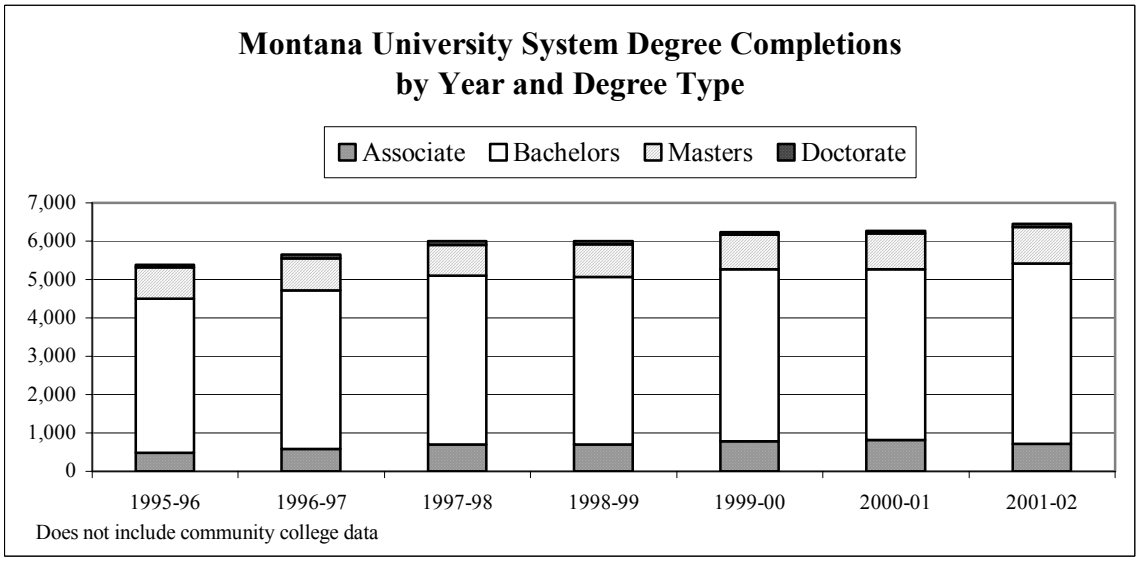
Goal 1: Prepare Students for Success through Quality Education



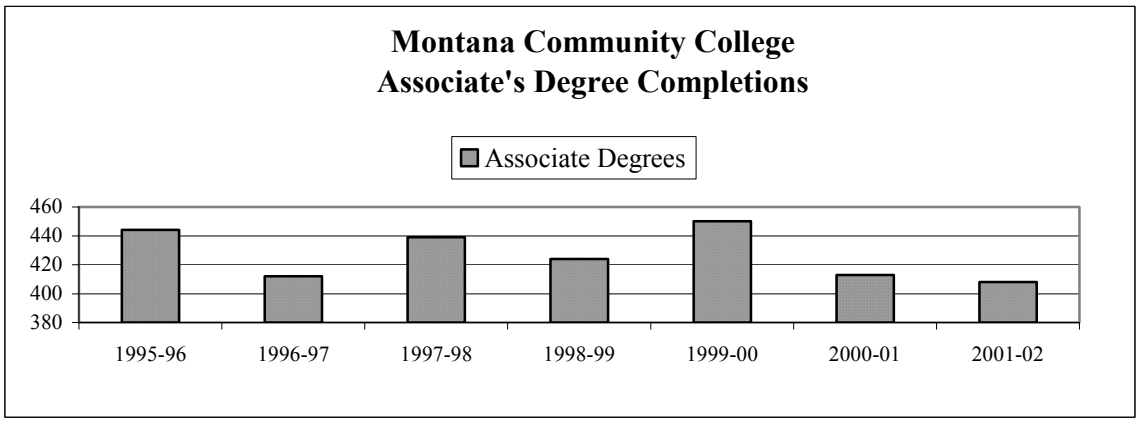
Degree	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Associate's	482	590	695	703	785	819	715
Bachelor's	4,021	4,125	4,410	4,359	4,474	4,443	4,700
Master's	812	834	797	847	907	941	959
Doctor's	61	93	98	83	65	56	73
All Degrees	5,376	5,642	6,000	5,992	6,231	6,259	6,374

Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions

Degree completions are one measure of institutional productivity. Individual campuses report these data annually to the National Center for Education Statistics in the U.S. Department of Education. Failure to meet this reporting requirement can render an institution ineligible to receive federal funds, including student financial aid.

Montana University System data show relatively steady growth in the numbers of undergraduate degrees awarded over the past seven years. Notably, two-year degree production has increased over 48 percent since 1995-96.

Policy Goal 1: Prepare Students for Success through Quality Education



Degree	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02
Associate's Degrees	444	412	439	424	450	413	408

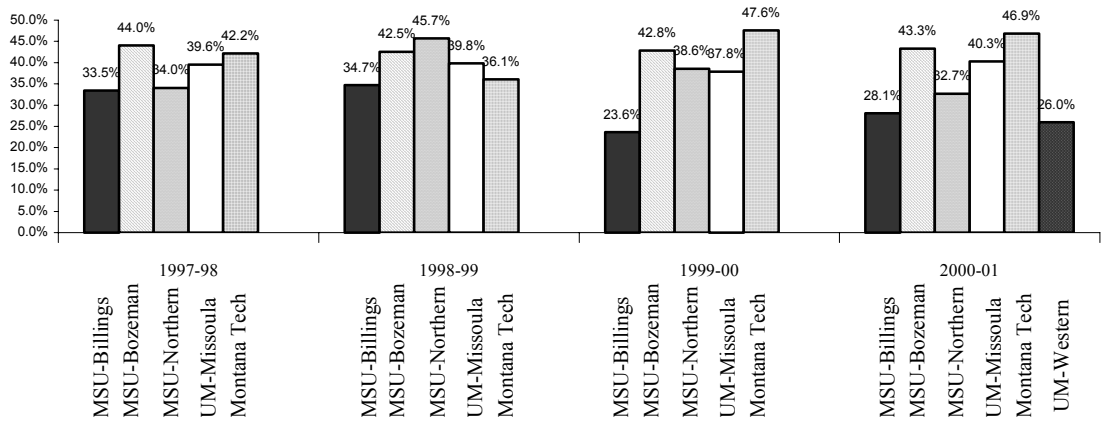
Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions

Degree completions are one measure of institutional productivity. Individual community colleges report these data annually to the National Center for Education Statistics in the U.S. Department of Education. Failure to meet this reporting requirement can render an institution ineligible to receive federal funds, including student financial aid.

Montana Community Colleges have awarded between 412 and 450 associate's degrees per year over the period. Some variability in enrollments and completions can be explained by the fact that students often enroll in or return to college in times of economic downturn and may leave school in prosperous times to pursue full-time employment.

Policy Goal 1: Prepare Students for Success through Quality Education

Retention*: Six -year Graduation Rates for First-Time, Full-Time Baccalaureate Degree-seeking Students



**Additional retention data is available at http://www.montana.edu/wwwbor/DashInfo.htm*

MUS Six-year Graduation Rate Data

INSTITUTION NAME		MSU--BILLINGS	MSU--BOZEMAN	MSU--NORTHERN	THE U OF M MISSOULA	MONTANA TECH OF THE U OF M	THE U OF M-WESTERN	AVERAGE OF REPORTING CAMPUSES
	Completers within 6 Yrs	83	636	64	451	97	NA	
	Cohort	248	1445	188	1140	260	NA	
1997-98	Grad Rate	33.5%	44.0%	34.0%	39.6%	42.2%	NA	**38.7%**
	Completers within 6 Yrs	99	651	86	496	96	NA	
	Cohort	285	1530	188	1246	266	NA	
1998-99	Grad Rate	34.7%	42.5%	45.7%	39.8%	36.1%	NA	**39.8%**
	Completers within 6 Yrs	91	735	86	534	108	NA	
	Cohort	385	1716	223	1411	227	NA	
1999-00	Grad Rate	23.6%	42.8%	38.6%	37.8%	47.6%	NA	**38.1%**
	Completers within 6 Yrs	95	757	48	585	119	46	
	Cohort	338	1747	147	1452	254	177	
2000-01	Grad Rate	28.1%	43.3%	32.7%	40.3%	46.9%	26.0%	**36.2%**

Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Graduation Rates

The Graduation Rate Survey (GRS) measures the percentage of first-time, full-time undergraduate students in a specified cohort that complete a baccalaureate degree at a particular institution within six years. The GRS is the compliance measure for the federal *Student Right to Know* requirement and a reliable proxy for ***Retention.*** Retention is a measure of student progress in the institution and can be evaluated on a semester-by-semester or year-to-year basis or across the total curriculum by graduation rates.

Note: The University of Montana-Western did not report on cohort graduates to the National Center for Education for the years marked N/A.

Policy Goal 1: Prepare Students for Success through Quality Education

National Six-year Graduation Rate Information for 1993-94 Cohort By Institution Type*

Institution Type	Doctoral II	Masters/Comp I	Masters/Comp II	Baccalaureate I	Baccalaureate II
Montana 4-Year Public	41.1%	40.2%	36.1%	N/A	N/A
Public 4-Year Institution	41.0%	38.1%	38.3%	54.4%	30.3%
Private 4-Year Institution	61.8%	52.9%	50.5%	69.7%	44.0%

Source: U.S. Department of Education, National Center for Education Statistics Graduation Rate Survey (GRS)

**A Classification of Institutions of Higher Education, 1994 Edition.* A new Carnegie classification was published in 2000. At the time of this analysis, Montana institutions were classified under the 1994 taxonomy as follows:

Doctoral II:	Montana State University-Bozeman
	University of Montana-Missoula
Masters/Comprehensive I:	Montana State University-Billings
	Montana State University-Northern
Masters/Comprehensive II:	Montana Tech
Baccalaureate II:	University of Montana-Western

Graduation Rates vary by institutional sector. The data show retention and graduation rates are higher for private institutions than for public institutions in all Carnegie classifications. Generally, private colleges are more selective and have higher admissions standards than public institutions.

Public institutions count it as an important part of their missions to offer access to a broad range of citizens including many who are from low-income, minority or disadvantaged backgrounds or are the first in their families to attend college. These students are at greater risk to drop out of college than those attending private institutions.

Note: The University of Montana-Western did not report student data to the U.S. Department of Education in this period.

Affordability Compared to Other States

Ratio of Tuition/Fees to Median Household Income

STATE	Two-Year Degree		Baccalaureate/Masters		Research/Doctoral	
	1991-92	2001-02	1991-92	2001-02	1991-92	2001-02
Colorado	3.3%	3.3%	5.4%	5.2%	8.2%	7.3%
Idaho	3.4%	3.8%	4.8%	7.0%	4.9%	7.4%
Montana *	3.9%	5.6%	6.1%	9.8%	6.7%	10.8%
Nevada	2.4%	3.2%	4.6%	5.4%	4.6%	5.4%
North Dakota	6.5%	5.7%	6.8%	8.2%	8.4%	9.2%
Oregon	3.1%	4.6%	8.2%	8.5%	8.7%	9.3%
South Dakota	NA	NA	7.5%	10.0%	8.0%	10.1%
Utah	3.8%	3.6%	4.8%	4.9%	6.1%	6.2%
Washington	3.0%	4.4%	5.3%	7.3%	6.8%	9.4%
Wyoming	2.4%	3.8%	NA	NA	4.4%	7.2%
WICHE avg w/CA	1.7%	2.3%	4.8%	6.0%	6.8%	8.0%

	Two-Year Institution		Four-Year Institution		Research/Doctoral Only	
	1991-92	1999-00	1991-92	1999-00	1991-92	1999-00
Minnesota	3.7%	3.8%	4.9%	4.9%	NA	NA

Source: Western Interstate Commission for Higher Education (WICHE), 2002, Tuition and Fees in Public Higher Education in the West:2002-03: Detailed Tuition and Fees Tables and Bureau of the Census. 2002.Table H-8: Median household income by state: 1984 to 2001

Affordability may be measured by several factors: the ratio of college tuition and fees to median household income is one measure that takes into account both the absolute level of tuition/fees charged and the income levels in that state. Other factors that can impact affordability include the level of state-based financial aid available, particularly need-based aid for low-income students.

Montana University System data using this measure of affordability reflects a decline both over time (1991-1992 to 2001-2002) and relative to other states. This decline has occurred at all institutional levels (Two-Year, Four-Year, and Research/Doctoral) with the greatest decline occurring at the Research/Doctoral level (MSU-Bozeman and UM-Missoula).

State Support per $1,000 of Personal and Per Capita Income

State Support of Higher Education per $1,000 Personal Income and Per Capita, FY 2002

State	Appropriations ($1000s)	Per $1,000 Income $	Per $1,000 Income Rank	Per Capita $	Per Capita Rank
Colorado	783,421	5.31	45	177.32	42
Idaho	330,776	10.32	12	250.4	15
Minnesota	1,382,576	8.36	20	278.07	10
Montana	149,738	7.03	34	165.64	44
North Dakota	201,497	12.11	3	317.82	4
Oregon	714,837	7.22	29	205.83	33
South Dakota	141,973	7.07	31	187.55	37
Utah	608,644	11.07	5	268.13	12
Washington	1,373,895	7.35	27	229.44	24
Wyoming	169,929	12	4	343.99	1
Regional Mean (excluding MT)		**8.98**		**250.95**	

Mean - A value that is computed by dividing the sum of a set of terms by the number of terms; the arithmetic mean or

Source: Center for Higher Education & Educational Finance, 2002 Grapevine Report –Table 5: Rankings of States on Appropriations of State Tax Funds for Operating Expenses of Higher Education per $1,000 Personal Income and per Capita, FY 2002

State support of higher education affects both access and affordability of higher education in a state. State support as a percent of personal income takes into account both higher education state appropriations and state income levels. State support per capita reflects state support (appropriations) on an average basis over the state population.

Montana University System data indicate that Montana's rank relative to state support for higher education is low (34/50) per $1,000 of personal income but even lower (44/50) on a per capita basis. Montana's rank on a per capita basis is lower than on a per $1,000 of personal income basis as a result of Montana's low per capita personal income.

Corrected 1/16/2003

Policy Goal 3: Deliver Efficient, Coordinated Services

Table I: Transferability Among Institutions for MUS Graduates from Summer 2001 through Spring 2002

Campus	Average Total Credits Earned by Students Without Transfer Credits	Average Total Credits Earned by Students With Transfer Credits	Average # of Transfer Credits for Transfer Students
MSU Billings –Main	133.46	141.20	69.40
MSU-Bozeman	134.20	148.46	41.11
MSU-Northern	136.55	157.39	58.99
UM-Missoula Main	134.28	142.65	44.54
MT Tech of UM	139.64	149.46	38.32
UM-Western	136.93	160.61	57.34
Average	135.84	149.96	51.62

Source: Office of the Commissioner of Higher Education, 2002 Survey of Montana University System Campus Registrars

Transfer refers to the increasingly frequent student practice of withdrawing from one educational institution or course of study to enroll in another. Student transfer among institutions often involves a change of "major." This means that course work from the first institution may bear relatively little relationship to the requirements of the new institution/program of study. ***Transferability*** indicates the ease with which students' previous courses move between institutions and are applied to new requirements of the new institution and/or curriculum.

The U.S. Department of Education studied 10,000 students enrolled since 1996 and found that 32 percent transferred at some point. In Montana, more than 60 percent of 4,603 Montana University System bachelor's degree graduates in 2001-2002 had transferred at least once.

There is no nationally accepted indicator to measure *transferability.* States are experimenting how to assess this practice with several indicators: Four-Year Graduation Rates of Transfer Students, Comparisons of Transfer Students' Performance to "Native" Students, Comparison of Percent of Students Graduating with Accumulated Hours @ 115 Percent of Degree Requirements.

For this first Accountability Report, the Office of the Commissioner of Higher Education conducted a Transfer Audit to compare how "native" and "transfer" students fared on total hours for degree. There is no information to allow MUS to differentiate between students with "planned" transfers—under an articulation agreement or intent to transfer into a specific bachelor's program—and unanticipated transfers. Nevertheless, some students who transferred into the MUS earned bachelor's degrees with as few as six credits more than native students whereas others needed as many as 18-20 additional credits to complete the degree.

Table II: Transfer Audit for Academic Year 2002 Plus Summer

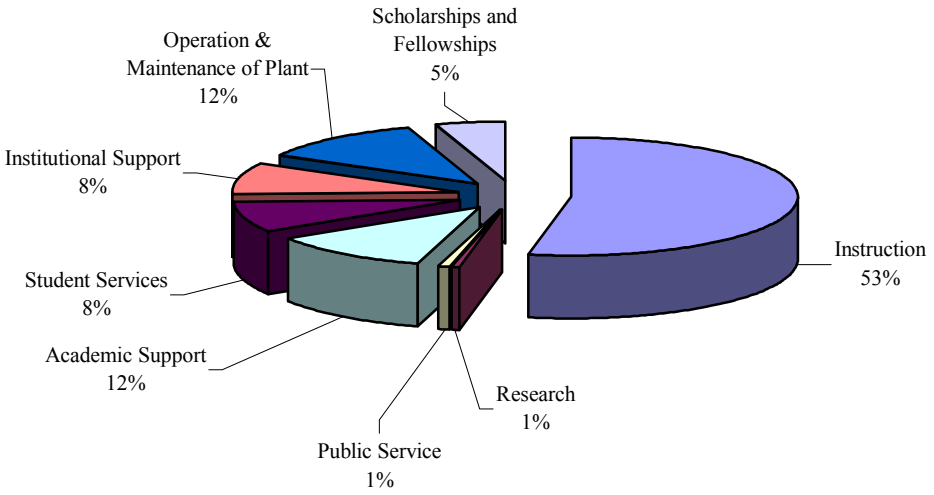
Campus	# BA/BS Degrees	# Students	# Students w Transfer Credits and % of Campus Student Total	Students Graduating With Transfer Credits as % of All Transfer Students (1631)
MSU Billings	519	513	290 / 57%	10.18%
MSU-Bozeman	1,837	1,808	1,126 / 62%	39.51%
MSU-Northern[1]	198	191	119 / 62%	4.18%
UM-Missoula	1,756	1,696	1,073 / 63%	37.65%
MT Tech of UM	237	237	129 / 54%	4.53%
UM-Western	159	158	113 / 72%	3.96%
Total	4,706	4,603	2,850 / 62%	100.00%

Source: Office of the Commissioner of Higher Education, 2002 Survey of Montana University System Campus Registrars

Table II shows the frequency of transfer within the Montana University System. Of 4,603 bachelor's degree graduates from Summer 2001 through Spring 2002, 2,850 or some 62 percent had transferred credit to the institution which awarded the degree. As might be expected, the two largest institutions received the largest number of transfer students.

Expenditures by Function

Montana University System
Current Unrestricted Funds
Educational Units Only
FY 2002 Expenditures Actual



Source: 2002 Montana University System Campus Finance Reports

The Montana University System has consistently maintained its commitment to the instructional component by spending 53%-55% of current unrestricted funds on instruction for the past 20 years. Although scholarships and fellowships (fee waivers) have grown to 5% of the expenditures (from 2% in 1982 and 1992), the offsetting reductions have been made outside of instruction. See glossary for definitions of the functional categories (pg. 34).

	1982	1992	2002
Instruction	53%	53%	53%
Research	1%	1%	1%
Public Service	0%	1%	1%
Academic Support	12%	11%	12%
Student Services	9%	10%	8%
Institutional Support	9%	10%	8%
Operation of Plant	13%	12%	12%
Scholarships & Fellowships	2%	2%	5%

Policy Goal 4: Be Responsive to Market and Employment Needs and Opportunities

Job Placement

Montana University System Employment Statistics*
Based On a Survey of 2001 Graduates

Baccalaureate	Total # Graduates	Respondents	% of Graduates Responding	Employed In Degree Field	Employed Other	Seeking Employment	Not Seeking Employment	Furthering Education	Other or Unknown
MSU-Billings	510	357	70%	231	74	21	7	24	0
MSU-Bozeman [2; 1]	1625	644	40%	356	152	34	11	134	42
MSU-Northern	231	126	55%	94	7	0	4	16	5
UM-Missoula	1695	805	47%	336	185	NA	NA	209	75
UM-MT Tech	245	242	99%	161	32	NA	NA	35	14
UM-WMC	142	93	65%	73	17	1	2	0	0
TOTAL	4448	2267	51%	1251	467	56	24	418	136
				55%	21%	2%	1%	18%	6%
Associate									
COT-Billings	50	36	72%	22	4	3	4	3	0
COT-Great Falls	110	72	65%	54	1	8	0	9	0
COT-Missoula	217	145	67%	86	22	NA	NA	25	12
COT-Butte	111	109	98%	42	23	NA	NA	36	8
COT-Helena [1]	199	176	88%	118	32	8	0	19	0
TOTAL	687	538	78%	322	82	19	4	92	20
% of Associates Respondents				60%	15%	4%	1%	17%	4%

Source: 2002 Montana University System Campus- Career Placement Offices: Annual Survey of Graduates

[1] Responses are for number employed fulltime. Employment in degree-field not specified.
[2] Responses allowed for multiple categories

Montana University System campuses conduct annual placement surveys of the previous year's graduates:

1. To evaluate the marketability of the various UM degree offerings in the competitive job market.
2. To gather data for use as a marketing tool by admissions when courting prospective students.
3. To inform parents and students about job prospects of certain majors.
4. To assist faculty to keep curricula current given the changing needs of employers/job market.

Alumni response is voluntary, so rates of response may vary widely across disciplines and institutions. Surveys collect data on the job search, current employers, signing bonuses, salaries earned, graduate schools, military service and other factors. Those compiling survey data aggregate results by field of study and publish summary reports annually, both in print and on campus Web sites.

Campus Career Services offices also survey employers after a campus recruiting visit or a career fair to solicit employers' views of the students interviewed, the services offered them, the facilities and the logistics of the event. Finally, campuses participate in on-going surveys of employers in cooperation with the national professional association to gather information on recruiting trends and salaries in the current job market.

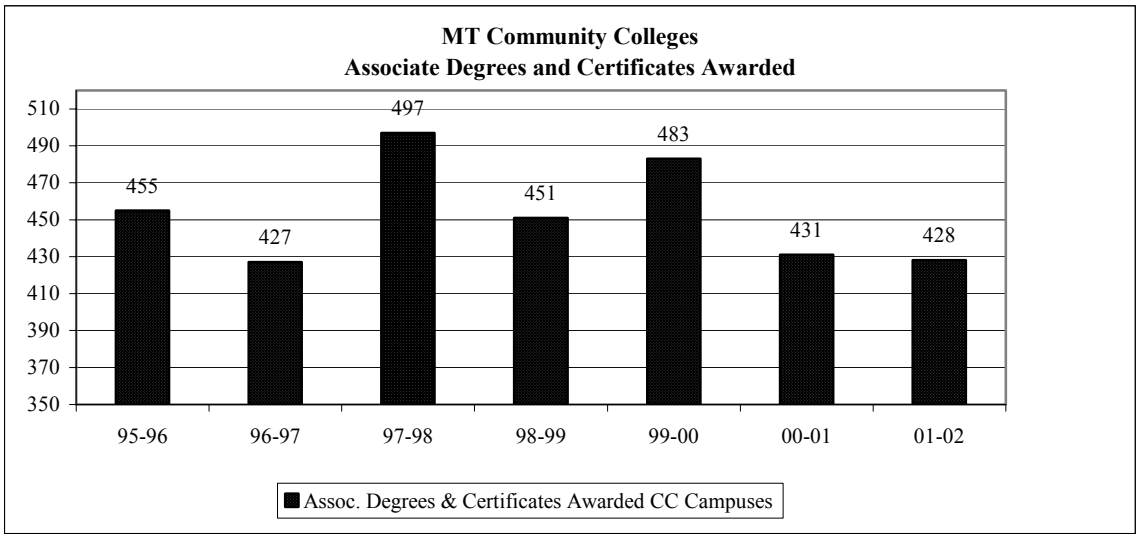
Policy Goal 4: Be Responsive to Market and Employment Needs and Opportunities

Growth in FTE Enrollments in 2-year Education
Montana University System Colleges of Technology and Community Colleges

Unit	1996	1997	1998	1999	2000	2001	2002
Billings COT	436	462	469	507	509	474	509
Great Falls COT	727	714	705	750	766	834	952
Missoula COT	629	748	794	766	776	797	803
Butte COT	329	363	354	334	310	285	295
Helena COT	467	543	663	664	704	724	736
Total Colleges of Technology	2588	2830	2985	3021	3065	3114	3295
Year-to-year % change		9.4%	5.5%	1.2%	1.5%	1.6%	5.8%
Dawson CC	423	379	472	467	429	413	445
Flathead Valley CC	1200	1174	1205	1236	1186	1174	1287
Miles CC	537	553	526	460	465	506	509
Total Community Colleges	2160	2106	2203	2163	2080	2093	2241
Year-to-year % change		-2.5%	4.6%	-1.8%	-3.8%	0.6%	7.1%

Source: Montana University System Registrar Reports on Fall 15-Day Enrollment Report C:A.

Degrees Conferred 2-Year Education

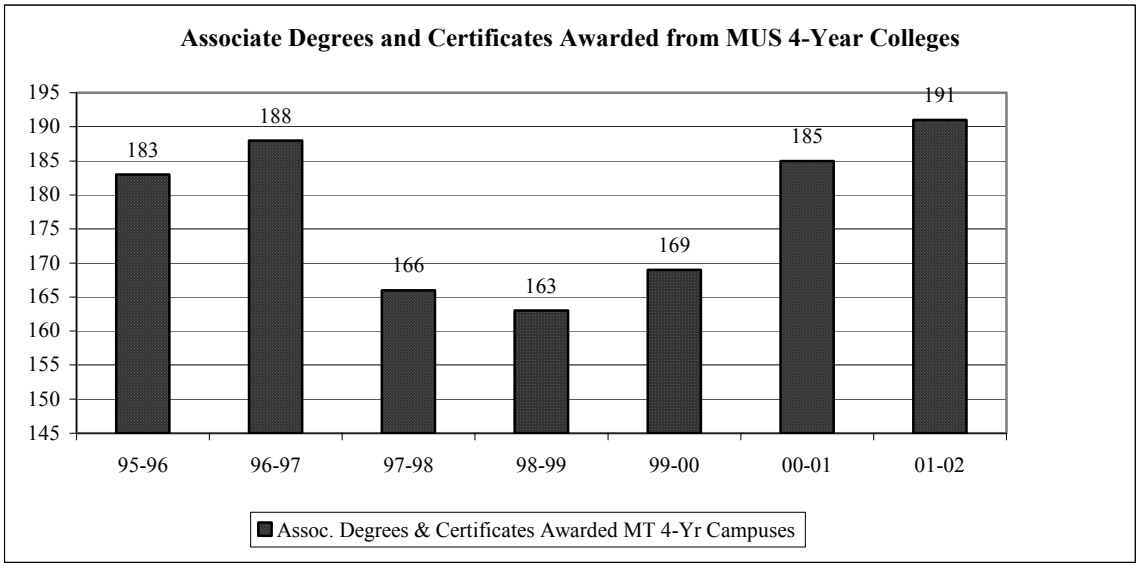


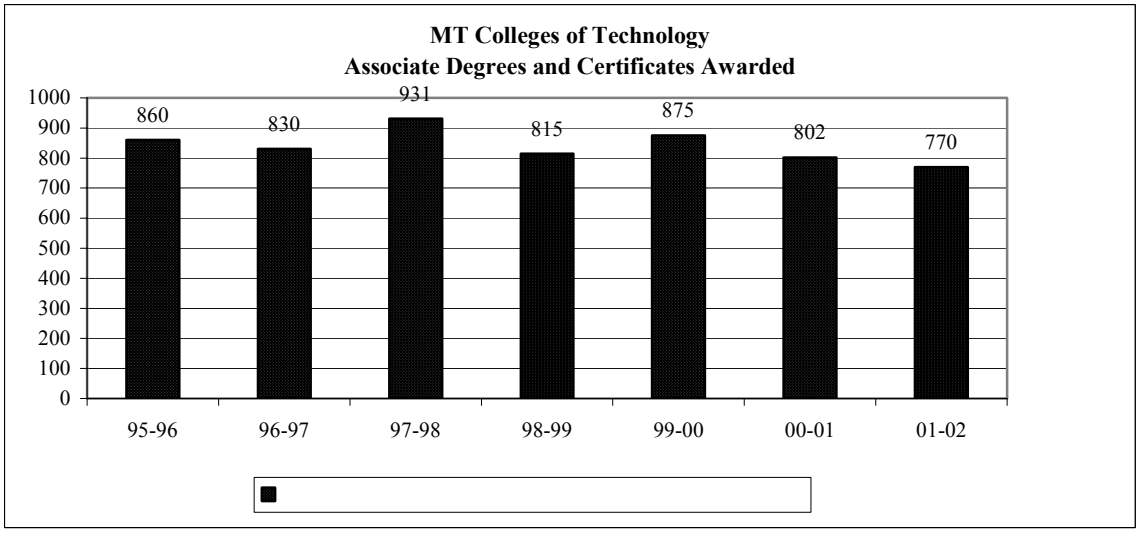
Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions,

FTE enrollments in MUS Colleges of Technology have grown steadily since 1996. In the Community Colleges, enrollments have fluctuated some reflecting, at least in part, varying economic conditions by region and over time.

Policy Goal 4: Be Responsive to Market and Employment Needs and Opportunities

Degrees Conferred 2-Year Education





Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions

The tables report the number of certificates and associate degrees awarded by sector: community colleges, four-year institutions, and colleges of technology. Many four-year campuses with an affiliated college of technology shifted most two-year programs to the college of technology when the two were formally affliated. The recent growth in two-year degree completions at four-year institutions reflects increased outreach from the University of Montana-Western and Montana State University-Northern as well as the introduction of new programs.

Research and Development Receipts/Expenditures at Doctorate-granting Institutions by State and Source of Funds: Fiscal Year 2000*

State	Total	Federal Government	State/ Local Government	Industry	Institutional Funds	All Other Sources
Alaska	$102,500	$46,605	$3,267	$19,686	$32,937	$5
Arizona	$465,777	$244,938	$15,221	$28,519	$158,810	$18,289
California	$3,959,884	$2,286,432	$222,208	$283,082	$814,151	$354,011
Colorado	$537,113	$422,239	$23,688	$23,754	$52,754	$14,678
Idaho	$70,246	$26,737	$18,157	$5,020	$16,882	$3,450
Montana	$94,914	$48,942	$16,763	$9,997	$15,658	$3,554
Nevada	$106,340	$60,005	$7,032	$5,532	$29,227	$4,544
New Mexico	$237,311	$166,167	$11,920	$11,692	$41,740	$5,792
North Dakota	$67,406	$29,343	$2,417	$4,400	$28,651	$2,595
Oregon	$343,785	$245,336	$35,400	$14,665	$32,239	$16,145
South Dakota	$27,269	$13,659	$6,525	$361	$3,825	$2,899
Utah	$308,059	$192,100	$20,365	$17,853	$43,818	$33,923
Washington	$634,138	$438,063	$14,268	$61,984	$99,403	$20,420
Wyoming	$43,094	$16,556	$1,470	$2,941	$20,103	$2,024

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000

Table B-23. R&D expenditures at doctorate-granting institutions, by geographic division and State: fiscal years 1993-2000

[Dollars in thousands]

	1995	1996	1997	1998	1999	2000	Growth Rate 1995 to 2000	Ranking among 50 states for growth
Montana	66,879	71,518	70,591	72,425	79,847	94,914	41.92%	13
Average (50 states)							36.88%	

Source: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000; Table B-23. R&D expenditures at doctorate-granting institutions, by geographic division and State: fiscal years 1993-2000

The top table shows total R&D expenditures for peer states and the sources of that funding: Federal, State/Local, Industry, Institutional and Other.

Table B-23 above shows the six-year trend in Research and Development expenditures at Montana's doctoral degree-granting institutions, Montana State University-Bozeman and the University of Montana-Missoula. Growth in the R&D expenditures at these institutions was 41.92 percent as compared to the 50-state average of 36.88 percent.

Policy Goal 5: Contribute to Montana's Economic and Social Success

Technological Transfers for FY 2001

Name of Institution	Montana State University, Bozeman	The University of Montana - Missoula	Montana Tech of The University of Montana
Licensing FTEs in Technology Transfer Office	1.6	0.5	0
Other FTEs in Technology Transfer Office	.5	0	0
Total Sponsored Research Expenditures for FY 01	$61,000,000	$31,667,632	$ 5,321,906
Research Expenditures: Federal Govt. Sources	$43,000,000	$23,754,661	$ 3,153,342
Research Expenditures: Industrial Sources	N/A	$1,490,452	$ 683,018
Licenses/Options Executed	11	1	0
Licenses/Options Executed that included Equity	0	0	0
Licenses/Options Executed to Start-Ups	2	1	0
Licenses/Options Executed to Small Companies	7	1	0
Licenses/Options Executed to Large Companies	2	0	0
Invention Disclosures Received	12	3	0
Total U.S. Patent Applications Filed	14	3	0
New U.S. Patent Applications Filed	8	2	0
U.S. Patents Issued	4	3	0
Start-Up Companies Formed	0	1	0
Start-Up Companies formed in the **previous** five (5) fiscal years	2	3	0
Licenses/Options which became Available for Commercial Use	3	1	0

Data Source: *2001 Association of University Technology Managers (AUTM) Annual Licensing Survey*

The table above shows survey responses from three of Montana's institutions, Montana State University-Bozeman, The University of Montana-Missoula, and Montana Tech regarding technology transfers. The survey includes measures of research expenditures, licensing activities, patents and inventions, and start-up company formations.

Research expenditures include all expenditures made by the institution in support of research activity. Since monies for projects are received only after a claim for expenditures is submitted, institutions use their research expenditures as one of the measures in determining their success in attracting research funding.

For 2001, federal government sources made up over 70% of research expenditures for MSU-Bozeman and UM-Missoula, and 59% for Montana Tech. Montana Tech received 13% of its research funding from industry sources; MSU-Bozeman received no industrial funding for research and UM-Missoula industrial research funding was 5%.

Executions to small companies made up the majority of licensing/options agreements, and none involved ownership interests for the institutions or employees. Since this survey data was compiled, House Bill 349 was passed, during the 2001 Legislative session, allowing University employees to have equity ownership in certain corporations.

A total of 15 invention disclosures were made by the three campuses and 17 patent applications filed. Of the total patent applications, 10 were for new patents rather than continuations, divisionals, or reissues.

The institutions were issued seven patents in 2001 and The University of Montana had one successful start-up. Since 1996, five new Montana companies have started which depended upon licensing a Montana University System's institutional technology for initiation.

Policy Goal 6: Collaborate with the K-12 School System and Other Postsecondary Education Systems

Collaborative Programs

In accord with the agreement between the Legislature's Joint Subcommittee on Postsecondary Education Policy and Budget and the Board of Regents, campuses of the Montana University System were to report on four types of collaboration, with K-12 education, with community colleges, with tribal colleges and with private colleges.

Campuses were invited to provide four or five examples in each category but submitted more than 50 pages of examples. The items reported on the following tables were selected by OCHE staff as representative only. The unedited list of campus collaborations may be seen at http://www.montana.edu/wwwbor/LinkReports.htm

COLLABORATION WITH ELEMENTARY SCHOOLS

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-BOZEMAN	Museum of the Rockies Education Outreach Trunks	Bozeman and other Montana K-8 Schools	Educational Enrichment	Students, teachers and parents	17,580	Curriculum enhancement
	Elementary Robotics	MSU/ Irving School	Introduce K-6 children to engineering and computer science by hands-on introduction to robotics -Lego Robo Lab	MSU faculty member Jim Bruggerman, Irving school	30	Kids love this program; parents volunteers do too.
	Antarctic Seals and Wolf-elk Ecology	7 elementary schools & Ecology faculty	Research education	Ecology faculty, Bozeman & Ophir elem. schools	174	Excellent interactions between researchers & students
	Bozeman Symphony Outreach Program	Bozeman Symphony and area elementary schools	Perform chamber music and demonstrate instruments	MSU Music Faculty	12	5 performances/year to 1000 children at 5 elementary schools from Three Forks to Livingston
	Noxious weed Design Contest	Agriculture in Montana Schools	Noxious Weed Impacts Education	4-6 grades	45 per year	Designs are published; significant increase in awareness in the schools surveyed
GREAT FALLS COT	Dental Health Care Month School Visits	Great Falls Public Schools	To educate young people about the need for dental health care	Varies – at least one grade in several schools	100 +	Heightened awareness of dental health care among children
MONTANA TECH OF UM	America Reads / America Counts	Kennedy and Margaret Leary schools in Butte and in Deer Lodge	Help students who perform below grade level in math & reading	Students identified by teachers as performing below grade level	60	60% of participating students perform at grade level by end of year.

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MONTANA TECH OF UM	Regional Science and Engineering Fair	23 schools from region	Encourage students' scientific research interests.	5th and 6th graders.	290	Students learn basic steps of scientific investigation, presenting technical information.
	Expanding Your Horizons	Butte, Anaconda, Whitehall, Boulder, Helena, Ennis Twin Bridges, and Deer Lodge Elem.	Give career information & interaction with positive role models working in science and math careers	6th grade students	125 annually	Motivates students, gets accurate info about careers in sci/math, not usually sought by women.
	Hands-On Math and Science Workshops	Elementary schools in Butte, Anaconda, St. Ignatius, Lincoln, Brady, and Browning.	One-day field trips, focused on math/sci, environment, technology, for interested schools	Elementary students, Tech Faculty, Student Groups	2400	Off-site activities to augment lessons w/o expenses of field trips-- travel, fees, speakers.
UM-WESTERN	Professional Development School (PDS)	Butte K-8 Schools	Improve teacher training, incr. professional interactions UM-W and public schools.	Students in UM-W ElEd do part of training in Butte at the PDS	60	Hi student satisfaction Improved education of the program graduates
	Preparing Tomorrow's Teachers to Use Technology	MT teachers work w faculty And future teachers.	Grant funds teachers for 1 wk.@ UM-W. Technology "savvy" tchrs work w UM-W faculty and future teachers on how technology is being used in public schools.	In-service teachers and UM-Western faculty and future teachers.	12 faculty, 12 public school teachers, 400 students	UM-W future teachers learn best uses for technology in the classroom. Instructional technology staff provide training to in-service teachers.
UM-MISSOULA	Addiction Prevention Service Learning Project	Three Missoula public schools- Franklin, Hawthorne and Porter Schools	Teaches UM-Missoula students about addiction prevention via K-12 students &school based programs	Students in three public schools who are in addiction studies courses each spring.	45 UM-M students; 45 K-12 Students	UM students learn about youth, addiction, and prevention. K-12 students have 20 hours with college students.
	Academy of Students of Pharmacy Poisoning Prevention	Missoula School District #1; Florence	Provide poisoning prevention education for K-12	Pharmacy students (ASP members)	195	Pharmacy practice students got to teach youngsters.
	Saturday Academy	12 different elementary schools	Preliminary Education	School of Pharmacy & Allied Health Science	30	Expose students to hands-on science
	Curriculum & Instruction 455	Missoula Co. Schools	Teach new reading techniques	Elementary teachers	27	Approved for 1 semester credit

COLLABORATION WITH MIDDLE SCHOOLS

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-BILLINGS	Middle School "College Is Possible" programs	Middle school counselors in Yellowstone Valley	Admissions MSU-B stu present to 8th grade @ 7-8 Billings & area middle schools; focus on college prep courses in high school & options after.	Admissions counselors and student ambassador volunteers	7-9 events w 1500+ students annually.	8th graders learn college requirements, what high school courses to take. Also informs about math/English proficiency & financial aid opportunities.
	Upward Bound & Talent Search	Middle school and high school counselors	Tutoring and mentoring and educational programs to middle & high schoolers who meet grant criteria.	Upward Bound and Talent Search staff	100-200 students per year	Give tutoring, mentoring, educational opportunities to qualified Middle School students; programs for parents on students' challenges.
MSU-BOZEMAN	Museum of the Rockies Education Outreach Trunks	Bozeman and other Montana Schools	Educational Enrichment	Students, teachers and parents	7325	Curriculum enhancement
	Family Financial Literacy Project – Debby Haynes	Credit Counselors of America/MT schools	Give financial curriculum materials to teachers	MT middle schools	~5	Increased use of financial component in curriculum.
	BPS/MSU Curriculum Project	Bozeman Public School	Redesign social studies curriculum	Bozeman public school teachers	12	Redesigned MS social studies curriculum
	Advancing Women in Science	Steve Holmgren	Promote science ed & interest among young Native American women	Junior High Native American women	20	More girls discovered potential in the field of science.
	Talk with 6th grade classes	Sacajawea Middle School	Talk with 6 classes about microbes	Linda Sherwood	~120	Discussed microbial world with students
	Science Olympiad	MSU-Science/Math Resource Center	Events for students	Olympiad participants	~500-1000	Score-keeping duties
MSU-GREAT FALLS COT	Middle School Career Day	Great Falls Public Schools	To interest middle school students in careers & inform them re education prep for careers.	All 8th graders in Great Falls middle schools	800	High teacher satisfaction; very positive student response.
	X-pose Yourself to Healthcare Careers	Great Falls public schools	To learn about healthcare occupations via summer camps and job shadowing	Grades 7 - 10	45	Encourages students to prepare for careers in health fields.

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MONTANA TECH OF UM	Regional Science and Engineering Fair	Butte Central, Chief Joseph, Cornerstone Academy, East Middle, Fred Moodry, Hamilton Middle, Lima, Lincoln, Sacagawea Three Folks Middle, Twin Bridges, and Victor schools	Encourage student scientific research interest.	Middle school students	294 students	Fosters scientific interests. Top projects went to Discovery Channel Youth Challenge. In last 2 years, Tech participant reached final round in Wash D.C.
	Campus Corps After School Homework Opportunity	Butte YMCA East Middle School	Provide 1-on-1 tutoring to middle schools students at the YMCA	Middle Schl Students, Montana Tech student volunteers	25 annually	Students see measurable increase in gpa--per teacher report.
UM-MISSOULA	Saturday Academy	7 different Middle schools	Preliminary Education	Pharmacy & Allied Health Science	20	Students get hands-on science
	Biological Outreach	Multiple schools in Western Montana	Introduce students to biological topics	Faculty in DBS	Many	Presentations and demos in area classrooms.
UM-WESTERN	Professional Development School	Butte K-8 Schools	To improve training of future teachers, increase professional interactions.	Students in UM-W's elementary education program do some training at Butte PDS	60	High student satisfaction. Improved education of the program graduates
	Preparing Tomorrow's Teachers to Use Technology	See same entry under Elem Schools.				
GEAR UP						
MSU-BOZEMAN	Gear UP	Lame Deer Elem	Summer Camp	7th & 8th Graders	12	3-day camp in Billings to explore health careers, tour hospital, etc.
	GEAR-Up	OCHE and OPI	Promote higher educ w low SES students	MT schools	23	Ongoing
MONTANA TECH-UM	GEAR UP	Montana GEAR UP @ OCHE + GEAR UP Middle Schools	Offer 1-week residential college orientation and science camp.	Middle school students w Tech Faculty and Staff	Average 15 annually	Students more confident re post-secondary ed and how to prepare in Hi School.

COLLABORATION WITH HIGH SCHOOLS

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-BILLINGS	International Education Cooperative Projects	Office of Int'l Studies	Expand awareness of global culture.	Int'l students from MSU-B and Director of Int'l Studies	4 events w classes of 30-40 each	International students visit schools, have social events w high school exchange students.
	Financial Aid Planning Nights	Local high school and elementary counselors	Give parents and students information about financial aid and application process.	Financial aid staff	5 events at local high schools; 1 elementary school; audience @ 600+	Parent/student learns how to apply for financial aid on-line to expedite the process.
	College Is Possible programs on campus	Local high school and middle school counselors	Orient parents, students on career options, financial aid, admissions: how to pick a college/major; how to finance college.	Admissions, financial aid, career service staff, vice chancellor for student affairs	6 events annually @ 30 per event for a total of 180	Increased awareness of resources to plan "life beyond high school." Gave information on on-line/print resources.
	Admissions counselors visit high schools and regional/national college fairs	High school counselors and college fair coordinators	Market MSU-Billings; follow-up with prospects to encourage enrollment at MSU-Billings.	Admissions staff	Over 8500 prospects each year	Raise visibility of MSU-B & its educational offerings to a regional audience.
MSU-BOZEMAN	Family Financial Literacy Project	Credit Counselors of America/MT schools	Provide financial curriculum materials to teachers	MT middle schools	~50	Increased teacher use—schools that lacked a financial component are now using it
	Human Development 576 – Mark Nelson	MT schools	Workshops, training, resource development	MT school counselors	~20	Monthly meetings and planning
	Human Development 357 – Laura Massey	Bozeman-area schools	Place Human Development/ElEd/ Family Sci students in classroom w/ special needs students	Family Sci Human Dev ElEd students/MT schools	~15	Educate students in field of special needs
	Early Childhood Project	MT schools	Preparing teens for parenting	MT schools and teen parents	~15	Better parenting skills
	High School Business Challenge	43 High Schools	Teach Business Management Principles	Juniors and Seniors	781	Students learn practical business skills thru graded simulations
	BPA / DECA	77 High Schools	Student Business Plan Competitions	Juniors and Seniors	800-900	MSU College of Business awards scholarships
	Teacher Business Training	26 High Schools	Teacher in-service business simulation training	Business teachers	20-30	Teachers use business simulation to learn how to deliver business

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-BOZEMAN	Montana Council for Economic Education	All Montana High Schools	Facilitate business and economics training	Board of Directors		Recommend to High Schools on curriculum development
	High School Financial Planning Program	Montana Credit Union Network, Nat'l Endowment for Financial Education, Extension Service, Credit Counselors of America, MSU HHD Dept	To increase the financial literacy of Montana High School students	Students in 50 schools during the last calendar year. 14,700 have participated since 1991.	2,410	86% of HS students showed increased financial knowledge or behavior when dealing with money. Fact sheet located http://www.montana.edu/extensionecon/family/pdf/impact2.pdf.
	Science Olympiad	MSU Science Math Resource Center	Tour of Microbiology Department	Elinor Pulcini/Sue Broadaway	10	Exposure to research on NASA projects
	Recruitment display	Microbiology Dept.	Talk about MLS careers		20	Disseminate info on career opportunities
	MSU Ensemble Tours for Recruiting	High Schools in Montana and the region	Recruiting	Up to 15 MSU student ensembles and 15 MSU Music Faculty		MSU clinics, performances, promotional events to 4000 prospective students annually
	National Teacher Training Institute	Poplar School District	Professional development for teachers on best practices using video/online in the classrm.	Contact: Mary Jane Elder	14 teachers from the Poplar School District	Daylong workshop setting utilizing five master teachers from Montana.
	National Teacher Training Institute	Bozeman School District	Same as above	Contact: Patti Harrison	37 teachers from the Bozeman HS & Chief Joseph Middle Sch	Two half-day workshops
	National Teacher Training Inst.	Forsythe School District	Same as above		20 teachers of Forsythe School Dist	A day-long workshop.
	Mountain West Contemporary Art Auction	Bozeman Senior High School Art Club	Assist MSU School of Art with Art Auction	MSU and Bozeman High faculty	10 - 12	Successful collaboration of HS students with School of Art faculty and Advisory Council

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-GREAT FALLS COT	College in a Day	North Central Montana high schools	To inform HS juniors about educational opportunities available at MSU-Great Falls CoT	Area high school students	800+	Awareness of 2-year college programs, technical careers, HS opportunities for preparation, tech prep, running start.
	Med Prep	Great Falls Public Schools, several area high schools	To improve HS awareness of, preparation for health occupations	High school students in all three Great Falls high schools	60+ 60 students taking high-level med prep courses 15 students preparing for Cert. Nurse asst.	-More students aware of the education prep for health care occupations -Summer program for high schools
	Cisco Regional Academy	22 Montana high schools, Cisco	To elevate computer technology skills in HS teachers and students	22 Montana high schools	500+ students 25-40 high school teachers	Access to high-level computer networking training in HS High-level training for HS teachers, incl opportunity for Cisco Certified Networking Associate certification
	Running Start Program	Great Falls Public Schools	To provide HS & college credit for 1st semester auto body program	Great Falls high school students	Seven	7 students take 13 credits of college courses during HS for significantly reduced cost
	College in the High School	Great Falls Public Schools	To provide exceptional mathematics students with college-level calculus course	Advanced high school math students	Eight	CoT faculty deliver 4 credits in calculus at CM Russell HS during school day
MSU-NORTHERN	Early Start Program	High schools in the North Central part of the State	Lets students take college classes while still in HS; courses mostly freshman level	High school seniors.	2-3/year	Students earn college credit while in HS, get a jump-start on college.
	Hi-Line Regional Science Fair	Junior high and high schools in the North Central Montana area.	To encourage 6-12 graders to engage in science research and celebrate academic achievement as extracurricular activity.	Junior high and high school science students from Golden Triangle.	120	Winners go to MT science fair, best work advances to a national competition.

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-NORTHERN	Regional Math Contest	Junior high and high schools in the North Central Montana area.	To encourage 6-12 graders to excel in mathematics, to recognize those who do.	Junior high and high school students from Golden Triangle.	150	Recognize students with remarkable mathematical skills.
	Vocational Industrial Clubs of America Contest for the State of Montana	All HS, 2-year colleges with Vocational Industrial Clubs of America organization.	To allow students to demonstrate technical skills in drafting, computing, machining, welding, carpentry, mechanics, public speaking, etc.	High school and college students in technical classes and programs.	450	Gold medal winners go to a nat'l contest, compete for major prizes from biggest manufacturing and technical companies in US; prizes incl college scholarships.
MONTANA TECH OF UM	Upward Bound	Anaconda, Butte, Helena, and Capital High Schools	Prepare low-income, first-generation HS students to succeed in a college education.	High school students from target schools	64 annually	Upward Bound students 15x more likely to graduate HS than peers; @ 88% college enrollment, 38% higher than graduating class.
	Jump Start	Butte, Butte Central, Ronan, Ennis, Whitehall, Anaconda, and Powell County High Schools	Offer college courses at HS for capable students.	High school students from participating schools and high school faculty.	Average 163 students annually	Good post-sec experience before HS graduation; gain confidence and motivation for college goals. Improved relations with area HS's.
	Regional Science and Engineering Fair	Butte Central, Butte, Ennis, Hamilton, Sentinel, Sheridan, Stevensville, Townsend, Loyola and Hellgate High Schools	Encourage student science research interests.	High school students from participating high schools	Averages 70 students annually	Fosters student scientific interests. Winners compete at State level.
	Tour of Nations	Hardin, Lame Deer, Colstrip, Wolf Point, Harlem, Rocky Boy, Browning, Heart Butte, and Arlee High Schools	Native American undergraduate engineering students from Tech visit MT high schools to lead engineering activities in the classroom	Reservation high schools and Tech students,	7-15 Tech students reach 400 HSstudents	Tech students bond together, serve as role models, & reaffirm their dedication to complete college degree HS students learn from role models they can pursue engineering & retain cultural identity.

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MONTANA TECH OF UM	Campus Corps After School Homework Opportunity	Butte High School	Tutor 1-on-1 Native American HS students after school	High School Students, Montana Tech student volunteers	5	HS students have assistance available to them for homework.
UM-MISSOULA	High School Pilot Program	Missoula area high schools and UM	Permit qualified HS students to take 1-2 UM classes each semester	Academically qualified high school junior and seniors	35 each semester	Qualified HS students complete college courses while still in high school
	Grades 9-12 Accelerated Student Initiative	UM-M	To learn about scholarly research and academic library resources	High Schools in Western Montana	150	150 students from 7 western MT HS came to UM-M for day-long colloquium
	Undergraduate research award program	North Toole County High School (Sunburst, Montana)	Interest students in research projects	UM-EPSCoR Project	Six	National Science Fair Competition
	Undergraduate research	Missoula County High School	Sponsored lab research over summers and other vacation periods	School of Pharmacy & Allied Health Science	Four per year	Student research projects presented at MT Academy of Science.
	Saturday Academy	8 different High Schools (2 of which @ reservations)	Preliminary Education	School of Pharmacy & Allied Health Science	35	Expose students to hands-on science
	Summer High School Teacher Research Involvement	Florence HS, Charlo School, Corvallis HS	Offer HS teachers with research experiences in university laboratories	E. Greene, R. Callaway, S. Samuels		Positive research experiences, new curric modules, coauthored research publication
	High School Student Research Experiences	Multiple high schools	Provide HS students research experiences in university laboratories	M. Rillig, S. Lodmell, F. Allendorf, P. Spruell, others		Multiple research experiences for students

Unit	Name of Project	Partners	Purpose	Participants	#	Results
UM-WESTERN	Montana Youth ChalleNGe	Montana Youth Challenge	MT Youth ChalleNGe serves 16-18 year olds who dropped out of HS to develop and enhance life skills, educatn level, employment potential Goal: HS equivalency education-GED	Montana Youth ChalleNGe and UM-Western personnel and students.		UM-W future teachers benefit by working with Youth ChalleNGe students who benefit from supplemental lessons.

COLLABORATION WITH COMMUNITY COLLEGES

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU - BILLINGS	Community college fairs	Admissions offices	Meet likely community college transfers.	Admissions counselors and advisors with students	3-4 events per year. 100-200 in attendance each event.	Increased interaction w transfer students still at CC's; better link with advisors to plan programs well.
	Community college visits	Admissions offices	Meet prospective transfers.	Admissions counselors and advisors with students	7 to 9 visits per year. 20 students at each visit.	More communication with CC transfer students; better link with advisors to plan programs efficiently.
	Campus tours	Admissions offices or transfer offices	Campus visits w admissions and advising staff, faculty and classes.	Admissions, advisors, faculty, and financial aid counselors with students	On demand	Increased awareness of transfer resources and sources of help in transferring.
	Dual admission agreements	Admissions offices or transfer offices	Facilitate transfer and advising with prospective students.	Admissions staffs	Agreements with 3 CC's.	Increased awareness of resources available for transfer; more communication.
	Articulation agreements	Registrars	Facilitate transfer, academic planning for transfer.	Advising and students	Agreements with 3 community colleges.	Facilitate transfer between institutions, improve transfer and time to degree. Agreements on-line.
	Program specific transfer agreements	Advisers/faculty with community college counterparts	Facilitate transfer in specific areas: education and business, on-line degrees	Advising, faculty, and students	Agreements in place at all community colleges	Facilitate transfer in specific degree programs.
MSU-BOZEMAN	Flathead Valley Initiative	FVCC, Kalispell Reg'l Medical Ctr, North Valley Hospital	To provide the MSU Bozeman BSN (nursing) to students in Flathead Valley	Nursing students	10	-7 students completed 4 lower division nursing courses 12/02. -8 juniors (5 of above) to take courses 1/03.

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-GREAT FALLS COT	Dental Hygiene (DH) Advisory Pipeline	Flathead Valley, Dawson, Miles Community Colleges	To give CC students correct, up-to-date info on prerequisites and admissions for MSU—DH Program	3 advisors per campus, DH director and Health Sci. director @ GF	Five	Inquiries about DH program from students at Montana's community colleges Centralized channel for information on DH program at the CC's
	Two-Year Education Conference	All Montana Colleges of Technology and Community Colleges	To coordinate resources, establish a network of collaborative dialogue and exchange, and learn together	Faculty, administrators and student services staff from two-year colleges	200+	-Identify common 2-year challenges -Form partnerships to address common need -Explore software and technologies for remediation & spec'l technical training
	Orientation Network (2000-01)	Colleges of Technology	To mentor new teachers in 2-Yr, train instructors, establish a network of novice teachers in two-year schools	Colleges of Technology in Butte, Helena, Billings, and Great Falls	20 teachers, 4 mentors, 1 coordinator, 2 administrators	-Supported first-year teachers in four Montana two-year colleges -Identified novice faculty common needs to be addressed by CoT administrators
MSU - NORTHERN	Nursing Education (Shelby, Cut Bank and Conrad area)	Medical facilities in 3 communities, and MSU nursing programs	To increase # of RN's in NE MT via 2 yrs. nursing program. After 2 years, student can choose nursing degree: LPN, 2-year RN, or 4-year RN.	People in the area who have never had access to a resident higher education program before	10 per year in nursing, unknown number of other students who complete non-nursing courses for possible transfer into other degree programs	To be implemented in January 2003, with the first freshman-level courses delivered in Shelby by MSU-Northern
	Two-year RN nursing in Lewistown	The medical community in Lewistown, MT	To increase # of RN's in Central MT, and provide career options for MT citizens w/o access to higher ed..	People in Central Montana who would like a career in the nursing profession.	20/ year in nursing, 10-20 additional students in non-nursing courses for possible transfer.	About 70 MT citizens now work in the healthcare field in Central MT because of this program

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-NORTHERN	Graduate Education in Montana	K-12 schools in various communities throughout Montana	To offer graduate education to MT K-12 teachers where they lack access to the public higher education.	Teachers in Great Falls and Helena. The program takes 2 years to complete via classes every third weekend all year	20 – 30 teachers in a cohort group.	Approx. 55 teachers in Great Falls & Helena have earned master's degree in education from MSU-Northern. New groups will be organized in those cities. Additional communities W & W MT have requested the degree program.
UM- MISSOULA	Bachelor of Arts – Liberal Studies	FVCC	To offer upper division courses toward The UM-Missoula Bachelor's Degree.	FVCC AA or AS graduates and other qualified Flathead Valley residents.	Seven	1-2 UM-Missoula graduates per year.
	Dual Admission Agreement (signed Sept. 29, 1998)	Flathead Valley Community College and The University of Montana – Missoula	To promote the successful transfer of students.	FVCC & UM – Missoula	16 for Fall 2002	Students got academic advising, transfer counseling. App fee eliminated for transfers. All participants could visit campus and use campus resources

COLLABORATION WITH PRIVATE COLLEGES

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-BILLINGS	Transfer articulation agreements	Carroll, University of Great Falls, Rocky Mountain College	Facilitate transfer & give information on credit transfer to students who are cross-enrolled with MSU-B..	Registrars at all campuses	70 cross - enrollments Fall 2002. Transfers from these schools continue as well.	Better articulation means better advising and faster degree completion.
MSU-GREAT FALLS COT	Great Falls Higher Education Center Advisory Council	UGF, MSU-Boz, MSU-N, Embry-Riddle U., Chamber of Commerce, Malmstrom AFB, GF Community, GF Public Schools	To identify how private & public schools in GF can meet demand for higher education and avoid unnecessary duplication of programs	Great Falls Higher Education Center Advisory Council	10-12	Survey community demands in higher education Process for advancing higher education proposals in public institution with impact on the private institution

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-GREAT FALLS COT	Business – Industry – Education Roundtables	UGF, MSU, MSU-N, Chamber of Commerce, Malmstrom AFB, Community, GF Public Schools	To hear from business and industry on the effectiveness of education to prepare workers for today and tomorrow	Ten different industry sectors in north-central Montana	80 representatives	Results presented to EDAG, to Billings business people, and to Missoula roundtables Curriculum changes in response to business feedback.
	Native American Heritage Days	UGF, MSU-Great Falls College of Technology	To recognize and celebrate the richness of Native American Heritage in Great Falls and in Montana	Varies from year to year, over 500 in 2002	100 - 500	-Respond to Indian Education for All Act -Give talented Native Americans chance to perform -Heighten awareness of Native American heritage -Strengthen collegiality and collaboration with public and private higher education providers
UM-MISSOULA	Summer SEE (Something Exciting for Everyone)	UGF, MSU, MSU-N, COT, GF Public Schools, arts and culture groups	To coordinate, promote summer offerings in education, arts, culture in GF to appeal to diverse ages, ethnicities, and interests.	See box 2	12 – 15 representatives each from education, arts, culture group	-Expect a single PR piece to present GF summer programs in education, arts, and culture. -A more stimulating intellectual/cultural life for GF in the summer
	National Association of Social Workers (SW MT Branch)	UM-Missoula; Walla Walla College; NASW Members	To provide academic leadership to local NASW branch	Cindy Garthwaite, UM-M; Joyce Flansburg, Walla Walla College	200 people per year	Continuing education for social workers
	Courtesy student teaching placements	Carroll College; University Great Falls	Place student teachers in respective geographic area	Students	Three per year	Successfully place student teachers for other schools.
	Student Assessment Project	All MT higher education institutions (public and private)	Develop systematic student teaching assessment instrument	Field Directors	Seven	Meeting regularly to complete task
UM-HELENA COT	Open Seat Agreement	Carroll College	To allow UM-Helena students to take courses at Carroll College at UM-Helena tuition rates.	UM-Helena students	Three students	Three students (13 semester credit hours) for Fall 2002
	Carroll College – UM-Helena Articulation Agreement	Carroll College	Articulate Business AS degree to Carroll	UM-Helena students		Not used.

COLLABORATION WITH TRIBAL COLLEGES

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU & UM	BRIN Biomedical Research Infrastructure Network	MSU + UM, all 4-year units, McLaughlin Research Inst. Seven Tribal Colleges	Increase biomedical research capacity in MT. Support faculty, students at Tribal Colleges to enhance minority participation in biomedical science education and careers.	Students, faculty and administrators of MSU, UM, 7 Tribal Colleges and McLaughlin Inst.	Est. 200	Multiple research and educational programs in bio-informatics, environmental health, water quality, science careers, electron microscopy. Funded equipment, video-conferences, travel support, networking
MSU-BILLINGS	TRANSFER 1.Dual enrollment or transfer agreements	7 MT tribal colleges and MSU-Billings Registrar or Admissions officers	Facilitate transfer via on-campus advisor for TC students who i.d. MSU-B for degree completion. To begin advising early.	Students from the 7 MT tribal colleges and TC staff	80 over three years	Ease of transfer; advising assistance offered at the beginning of such a proposed transfer.
	2.Transfer articulation agreements	same	Facilitate actual transfer of coursework and credits.	same	Unknown	Easier transfer; agreements on-line for ease of use.
	3.Tribal College Fairs	same	Promote transfer to MSU-B from the tribal colleges.	same	20 – 50 per event	Connect prospective students to MSU-B advisors; educate students for transfer.
	4.Recruitment and advising sessions at the tribal colleges	same	Promote transfer to MSU-B from TC's.	Admissions/ Advising staff visit TC's twice a year.	~ 100.	Multicultural Student Services contacts TC transfers, gives special advising/ orientation events
	Special Education Courses for Endorsement	Fort Peck Community College	Offer courses on site or on-line for special ed. endorsement.	Fort Peck Community College	15 students per course	Access to coursework precludes need to go to MSU-Billings. Endorsement earned
	A2 Grant, 2 Career Ladder Grants	Little Big Horn College-Crow/ Northern Cheyenne	Offer framework, support, some financing to Native American students to become educators.	Little Big Horn College-Crow/ Northern Cheyenne	45 students	Successfully educate Native American students to become teachers.
MSU-GREAT FALLS COT	Dental Hygiene Advisory Pipeline	Salish Kootenai College (SKC)	To give SKC students accurate, up-to-date information on pre-requisites/admissions processes for MSU—Great Falls CoT's Dental Hygiene Program	Designated SKC advisor, GF dental hygiene director, and health sciences department chair in GF	1 advisor at SKC 3 advisors at COT	-Several inquiries on dental hygiene from SKC students -2 successful SKC students admitted to dental hygiene; 1 SKC graduate now enrolled in Dent Hyg

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-NORTHERN	Elementary Education degree with 4 Tribal Colleges	Fort Peck, Fort Belknap, Blackfeet, and Stone Child Colleges	To increase number of Native American elementary education teachers in reservation schools via four-year degree program in their areas.	2-yr. students, who complete pre-education curriculum and are admitted to MSU-N's ElEd program.	70	19 Native American students earned ElEd degree last year; 14 expected to graduate spring '03. 40 more in the pre-education pipeline at TC's.
	SMET	Stone Child and Blackfeet Colleges	Recruit and retain American Indian students in the fields of science and math education	MSUN faculty advisory to Stone Child science/math faculty; five Blackfeet students in 1-week institute	45	Developmental program underway to retain students in math/science courses at Stone Child; 2nd institute planned for summer 2003 for 10-15 Blackfeet students.
MONTANA TECH OF UM	RMRHSRC TOSC / TAB & MWTP Programs	Montana Tech, Ft. Belknap Environmental Office and Tribal College	Provide outreach and education to Ft. Belknap Reservation	Montana Tech Ft. Belknap	30	Ft. Belknap awarded $200K Brownfields Assessment Grant Trained 9 students in GIS.
	RMRHSRC TOSC / TAB & MWTP Programs	Montana Tech and Stone Child College	Provide outreach and education to Rocky Boy Agency	Montana Tech Rocky Boy Agency	15	Trained 15 students in Hydrogeology and Baseline Monitoring
	RMRHSRC TOSC /TAB & MWTP Programs	Montana Tech, Little Big Horn College, and Crow Nation Tribal Govt.	Provided outreach, education & job training	Montana Tech Little Big Horn College Crow Nation	81	Taught 7 courses for Environmental Job Training; gave education concerning Brownfields (Big Horn Carpet Mill)
	Tour of Nations	Salish Kootenai, Chief Dull Knife Memorial, Fort Peck, and Fort Belknap Colleges	Native American undergrad engineering students from Tech visit TC's across MT to lead classroom engineering activities.	MT Tribal College students + Tech students,	7-15 Tech Students reach 200 students	Gives TC students role models, mentors; creates a support structure for TC students completing 4-year degree while maintaining their cultural identity.

Unit	Name of Project	Partners	Purpose	Participants	#	Results
UM-MISSOULA	Dual Admission Agreements	UM–Missoula, Blackfeet, Fort Belknap, Salish Kootenai, Chief Dull Knife, Little Big Horn, Fort Peck, Stone Child Colleges	To promote the successful transfer of students between institutions.	Tribal Colleges and UM-Missoula	12 students in fall 2002 from Blackfeet College	Programs provide students w academic advising, transfer counseling and elimination of application fees to the transfer institution.
	COPS/Safe Schools	UM DERS; Lame Deer Public Schools; Tribal Court, Lodge Grass Public Schools; Chief Dull Knife Memorial College	Develop safe school strategies, civil behavior, transportation safety and peer mediation; alternative sentencing; conflict management; grief and bereavement management	Teachers, counselors, bus drivers, tribal court, community, law enforcement tribal college Administrators Faculty/Staff	350	Promising results thus far, will be following up with a safety survey for students, teachers, administrators and paraprofessionals.
	Montana Public Access Catalog	UM-M and UM Affiliates	Resource Sharing	Salish Kootenai College (SKC) Library	6,753 SKC searches-15,823 results-2,360 items ck'd	SKC students and faculty did online searches in 2002; checked 2,360 items. Also 150 UM-M library users limited their searches to SKC exclusively in 2002.
	Rocky Mountains Cooperative Ecosystem Studies Unit	Salish Kootenai College	Research, Technical Assistance, and Education Collaboration	Faculty and students		Work with faculty on federal land mgt. issues; place students in seasonal positions w Glacier Nat'l Park.
	Bridging American Indians into Research	Salish Kootenai, Blackfeet, and Dull Knife Memorial Colleges	Introduce American Indians into career opportunities in research	Students of SKC, Chief Dull Knife Memorial, Blackfeet Colleges	20	Ongoing project every summer.
	Project TRAIN (funded by NSF-UMEB and NSF-REU Site)	UM-Missoula, Div. Biological Science+Salish Kootenai College (SKC)	Provide research experiences for American Indian students, develop new courses and mentoring experiences	UM and SKC faculty and students	25	Multiple research experiences, joint UM-SKC seminar, faculty mentoring materials, poster presentation session

Unit	Name of Project	Partners	Purpose	Participants	#	Results
UM-WESTERN	Indian Teacher Education Program	Salish-Kootenai College	To increase the number of Indian elementary teachers in Montana via UM-W's program to Salish-Kootenai College	SKC students interested in becoming elementary teachers.	40	High completion rate due to good support system of SKC and UM-W Significant increase in the number of Indian teachers in Montana.
MSU-BOZEMAN	Council for American Indian Achievement (CAIEA)	All MUS campuses and all tribal colleges	The charge to this group is to implement a set of MT statutes and Board of Regents policies associated with Native American educational issues	Reps. of all partner schools. MSU Bozeman participant is Assoc. Dean Bruce Raymond		Created template for best practices in retention of Native American students in University programs. http://opal.msu.montana.edu/braymond/CAIEA_Best_Practices/Best_Practices.htm.
	Sandy Bailey and Bethany Letiecq	Stone Child Community College	USDA/CYFAR/New Communities grant	Extension agent, parents, 4H youth, and children	~600	Ongoing—parents are learning better parenting skills; youths and adults learning computer skills; youths learning general life skills
	Museum of the Rockies Education Outreach Trunks/ Tours	Gear-up Programs/ Little Big Horn College	Educational enrichment	Gear-up students, teachers and parents	3850 approx.	Curriculum enrichment
	Caring for Our Own Project (CO-OP)	All tribal colleges except Salish Kootenai College	Provide linkage w TC advisors and students interested in the MSU-Bozeman College of Nursing and CO-OP.	Tribal college pre-nursing students and advisors	75	Students/advisors better informed about Nursing reqs, transfer, financial aid, career opportunities.
	Ready To Learn	Little Big Horn College	Translating children's books into Crow	Contact: Dr. Lanny Real Bird		Gave 34 different children's books Dr. Real Bird immersion language project in summer 2002. Translations will be transferred to books so Crow children will have bilingual books.
	Partner to Implement Montana's Statewide Noxious Weed Awareness and Education Campaign	USDI BLM, BOR MT: FW&P, Ag, Transportation, Stockgrowers, Farm Bureau	Gain support for weed efforts via educational approach on economic & ecological impacts of noxious weeds, and integrated mgt training for citizens to imple-ment the MT Weed Management Plan	225 Montana citizens, incl. State/federal agency staff, land managers, landowners, private citizens, educators, recreationists, sportsmen, realtors, etc.	225	Increased support for weed efforts via six-year repeat of public awareness survey and eval. change in support. TC's help develop educational materials for statewide distribution (Lewis & Clark Noxious weed Placemat Project or Montana Noxious Weed Calendar).

Unit	Name of Project	Partners	Purpose	Participants	#	Results
MSU-BOZEMAN	Ecological Role of Indigenous Functional Groups and a Non-indigenous invader in a Rangeland Ecosystem	Chief Dull Knife Memorial College, MSU, Northern Cheyenne Extension	To determine if indigenous forbs compete with non-indigenous forbs. To determine if we can manage weeds by promoting and seeding indigenous forbs in restoration projects.	Jim Hafer Monica Pokorny Roger Sheley Kirk Denny		Research: indigenous & non-indigenous forbs compete more directly for resources than do forbs & grass. This has important management implications for invaded rangelands.
	Ready To Learn/First Books	Chief Dull Knife Memorial College	Distribute books to children on the Northern Cheyenne Reservation.	Contact: Joan White Crane, Jeanne Alderson		Gave children's books to distribute @Northern Cheyenne Reservation-CDKM, Literacy Volunteers of America.
	Ready To Learn	Salish Kootenai College	Conduct workshop for pre-service Head Start teachers about conflict resolution.	Contact: Cindy O'Dell		12 pre-service Head Start teachers in 4-hr. workshop on dealing w conflict in the early childhood setting.

Source: Office of the Commissioner of Higher Education, 2002 Survey of Montana University System Campuses

Policy Goal 6: Collaborate with the K-12 School System and Other Postsecondary Education Systems

Fall 2002 First-Time, Full-Time Students

	# of Students	Average Score
Average ACT Composite	4845	21.84
Average ACT English	4905	20.80
Average ACT Math	4904	21.46
Average SAT Verbal	2347	530
Average SAT Math	2360	535

The average national composite ACT score for the class of 2002 was 20.8 as compared to the Montana composite average of 21.84. The average ACT score in English for entering freshman was 20.80, which is lower than the 23.9 average for all Montana test takers or the 23.8 average of all national test takers. For mathematics, the average ACT score for entering full-time students was 21.46 which is well below the state average of 24.7 and the national average of 23.9.

For the SAT, Montana's scores compare favorably with the national averages of 504 on verbal and 516 on mathematics exams.

ACT. *The High School Profile Report, Normative Data, 2002.*

The College Board. *2002 College Bound Seniors, A Profile of SAT Program Test Takers.* 2002, College Entrance Examination Board.

** Data Source: OCHE Data Warehouse Census Event 200270 Fall Semester*

Glossary of Budget Terms

Instruction: This category includes expenditures for general academic instruction, vocational technical instruction, special session instruction, continuing education, and remedial instruction. It includes expenditures for department chairpersons but does not include expenditures for academic deans.

Research: The research category includes expenditures for activities specifically organized to produce research, whether commissioned by an agency external to the institution or separately budgeted by an organizational unit within the institution. Most of the budget of the Agricultural Experiment Station is recorded as research and is the biggest research component of the current unrestricted funds of the Montana University System.

Public Service: This category includes expenditures for community service, cooperative extension services, and public broadcasting services. The largest component of current unrestricted public service expenditures is the Extension Service. Also included in this category are expenses for the Montana Repertory Theatre, KUFM, KUSM, and the Montana Center for Handicapped Children.

Academic Support: This category of support includes expenditures for support of higher education's primary missions of instruction, research, and public service, as well as the retention, preservation, and display of educational materials. Typical expenditures include educational media services, academic administration, sabbaticals, and course and curriculum development.

Student Services: Student Services includes expenditures for student services administration, social and cultural development, counseling, career guidance and placement, financial aid administration, student admissions and recruitment, and student records. Expenditures for athletics are recorded in this program.

Institutional Support: Institutional Support is the program where most "administrative" expenditures are recorded. Expenditures for executive-level activities concerned with management and planning for the institution, legal services, fiscal operations, administrative data processing, employee personnel and records, purchasing, support services for faculty and staff, development, and alumni relations.

Operations and Maintenance of Plant: This category includes expenditures for physical plant administration, building maintenance, custodial services, utilities, landscape and grounds maintenance, repairs, and minor renovations.

Scholarships and Fellowships: Fee waivers are recorded in this program, as authorized by the Board of Regents. Generally, waivers of registration, incidental, and nonresident incidental are granted for certain eligible students.

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Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions, http://nces.ed.gov/ipeds/ (reviewed November 15, 2002)

Chart and Data Table**:** Community College Associate Degree Completions
Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions, http://nces.ed.gov/ipeds/ (reviewed November 15, 2002)

Chart and Data Table**:** Six Year Graduation Rates
Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Graduation Rates, http://nces.ed.gov/ipeds/ (reviewed November 15, 2002)

Data Table: National Six-Year Graduation Information for 1993-94 Cohort
Source: U.S. Department of Education, National Center for Education Statistics Graduation Rate Survey (GRS), 1998-99

Data Table: Ratio of Tuition/Fees to Median Household Income
Source: Western Interstate Commission for Higher Education (WICHE), 2002, *Tuition and Fees in Public Higher Education in the West:2002-03: Detailed Tuition and Fees Tables* and Bureau of the Census. 2002.Table H-8: Median household income by state: 1984 to 2001
http://www.wiche.edu/Policy/Fact_Book/PDF/data_tables.pdf (reviewed November 15, 2002)

Data Table: State Support per $1,000 of Personal and Per Capita Income
Source: Center for Higher Education & Educational Finance, 2002 Grapevine Report –*Table 5: Rankings of States on Appropriations of State Tax Funds for Operating Expenses of Higher Education per $1,000 Personal Income and per Capita, FY 2002* http://www.coe.ilstu.edu/grapevine/table5.html (reviewed November 15, 2002)

Table I: Transferability Among Institutions for MUS Graduates Summer 01- Spring 02
Source: Office of the Commissioner of Higher Education, 2002 Survey of Montana University System Campus Registrars

Table II: Transfer Audit for Academic Year 2002 Plus Summer
Source: Office of the Commissioner of Higher Education, 2002 Survey of Montana University System Campus Registrars

Pie chart: MUS Current Unrestricted Funds Ed Units FY 2002 Expenditures Actual
Source: 2002 Montana University System Campus Finance Reports

Data Table: Job Placement
Source: 2002 Montana University System Campus- Career Placement Offices: Annual Survey of Graduates

Data Table**:** Growth in FTE Enrollments in 2-year Education
Source: Montana University System Registrar Reports on Fall 15-Day Enrollment Report C:A.

Charts**:** MUS Degrees Conferred in Two-Year Education
Source: Federal Integrated Post-secondary Education Data System (IPEDS) Report- Degree Completions, http://nces.ed.gov/ipeds/ (reviewed November 15, 2002)

Data Table: R&D Receipts/Expenditures
Source: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000
http://www.nsf.gov/sbe/srs/nsf02308/sectb.htm (reviewed November 15, 2002)

Data Table B-23 Trend in R&D Receipts/Expenditures for Montana
Source: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000; Table B-23. R&D expenditures at doctorate-granting institutions, by geographic division and State: fiscal years 1993-

Data Table: Technological Transfers for FY 2001
Source*:* 2001 Association of University Technology Managers (AUTM) Annual Licensing Survey

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