

MONTANA UNIVERSITY SYSTEM
System & Campus Dashboard Indicators
Graduate Education

Campus	Enrollment & Degrees	2001-02	2006-07	2007-08	2008-09	2009-10	2010-11	10 Year Change
MSU Bozeman	Graduate Student FTE	808	880	915	945	1026	1075	↑
	Graduate Degrees Awarded*	364	463	433	481	516	566	↑
	Graduate Degrees Awarded per 100 Graduate Student FTE	45.0	52.6	47.3	50.9	50.3	52.7	↑
	% STEM Degrees (Narrow)	35%	25%	28%	27%	27%	27%	↓
	% STEM Degrees (Broad)	49%	45%	49%	44%	46%	52%	↑
MSU Billings	Graduate Student FTE	297	286	296	300	295	341	↑
	Graduate Degrees Awarded*	114	110	121	106	128	125	↑
	Graduate Degrees Awarded per 100 Graduate Student FTE	38.4	38.5	40.9	35.3	43.4	36.7	→
	% STEM Degrees (Narrow)	0%	0%	0%	0%	0%	0%	→
	% STEM Degrees (Broad)	10%	25%	16%	28%	30%	24%	↑
MSU Northern	Graduate Student FTE	132	75	63	75	66	61	↓
	Graduate Degrees Awarded*	34	33	13	28	12	36	→
	Graduate Degrees Awarded per 100 Graduate Student FTE	25.8	44.1	20.6	37.3	18.2	58.7	↑
	% STEM Degrees (Narrow)	0%	0%	0%	0%	0%	0%	→
	% STEM Degrees (Broad)	21%	6%	0%	0%	0%	0%	↓
MT Tech	Graduate Student FTE	79	86	79	83	107	118	↑
	Graduate Degrees Awarded*	36	34	24	41	18	50	↑
	Graduate Degrees Awarded per 100 Graduate Student FTE	45.6	39.5	30.4	49.3	16.9	42.3	↓
	% STEM Degrees (Narrow)	67%	65%	75%	56%	56%	64%	↓
	% STEM Degrees (Broad)	100%	100%	100%	100%	100%	100%	→
UM Missoula	Graduate Student FTE	1501	1691	1759	1723	1794	1832	↑
	Graduate Degrees Awarded*	565	676	686	706	698	746	↑
	Graduate Degrees Awarded per 100 Graduate Student FTE	37.6	40.0	39.0	41.0	38.9	40.7	↑
	% STEM Degrees (Narrow)	8%	8%	7%	8%	6%	5%	↓
	% STEM Degrees (Broad)	25%	30%	30%	30%	35%	38%	↑
MUS Total	Graduate Student FTE	2818	3017	3112	3127	3287	3427	↑
	Graduate Degrees Awarded*	1113	1316	1277	1362	1372	1523	↑
	Graduate Degrees Awarded per 100 Graduate Student FTE	39.5	43.6	41.0	43.6	41.7	44.4	↑
	% STEM Degrees (Narrow)	18%	15%	14%	15%	14%	14%	↓
	% STEM Degrees (Broad)	34%	36%	36%	36%	39%	43%	↑

source: MUS Data Warehouse

*includes master's, doctoral, and professional degrees; source: source: MUS Warehouse

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Summary Analysis

- 1) Graduate student FTE has increased by 22% in the past ten years, growing at all campuses, except MSU Northern.
- 2) The MUS awarded over 400 more graduate degrees in 2011 than it did 2002. Both MSU Bozeman (202) and UM Missoula (181) increased graduate degree production by approximately 200 degree recipients.
- 3) The number of graduate degrees produced per 100 graduate student FTE in MUS increased over the past 10 years. Campuses where this ratio increased were: MSU Bozeman, MSU Northern, and UM Missoula
- 4) In comparison to regional peers (see Strategic Plan) the MUS produces a higher percentage of STEM degrees when STEM is defined **broadly** (39% to 34%), but a slightly lower percentage when comparing **narrowly** defined STEM degrees (14% to 17%). *(note: in addition to traditional STEM disciplines the broad definition includes health sciences, agriculture, and natural resources)*
 - since 2001-02, the percentage of STEM degrees awarded (narrowly defined) has dropped on all campuses;
 - the percentage of broadly defined STEM degrees has increased on all campuses, except MSU Northern.

Definitions

STEM (Narrow): based on STEM definition used by the National Center for Education Statistics; utilizes two digit CIP codes in the areas of (14) Engineering and (15) Engineering Technologies, (11) Computer & Information Sciences, (26) Biological and Biomedical Sciences, (27) Mathematics and Statistics, (40) Physical Sciences, and (41) Science Technologies

STEM (Broad): An expanded STEM definition based on two digit CIP codes in the areas of: (03) Natural Resources and Conservation, (14) Engineering and (15) Engineering Technologies, (11) Computer & Information Sciences, (26) Biological and Biomedical Sciences, (01) Agriculture Operations & Related Sciences, (27) Mathematics and Statistics, (40) Physical Sciences, (41) Science Technologies, and (51) Health Professions and Related Clinical Sciences. Also the following 6 digit CIPs were included, Education Science (MSU) 13.1316, Technical Communications (Tech) 23.1303, Interdisciplinary Studies (Tech) 30.9999