



## Montana State University – Bozeman Freshman Aid Policy Document 2017-18

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**To:** Ronda Russell, Director of Admissions  
**From:** Brynn Saunders, Hardwick Day  
**Date:** November 30, 2016  
**Subject:** 2017-2018 Freshman Packaging Policy

Below is a written narrative of the packaging policy that MSU-Bozeman has chosen to utilize for the incoming freshman class of 2017-2018. In order for us to provide you with the best analysis and advice during your enrollment cycle, it is imperative that our understanding of your policy aligns completely with your internal packaging policies. Please take a few moments to review this document. If you find errors, omissions or differences between the statements below and your policies, please be sure to let us know.

### Determine Student Aid Targets

#### Calculate total points

Hardwick Day has provided a calculator for use by admissions in determining total academic points.

Total points are calculated by putting 2/3 weight on high school performance and 1/3 weight on test score, when possible. Total Points = High School Points (out of 20) + Test Points (out of 10)

To calculate High School Points, GPA points and class rank points are determined using the parameters in the table below and summing the associated points achieved. Test points are determined using the parameters in the tables below. SAT scores are converted into ACT scores using the College Board concordance table provided at the end of this document. High School Points and Test Points are added together for a total of up to 30 Total Points.

In the event that one of the two high school achievement measures is not available, the points from the available measure is doubled. If both SAT and ACT scores are reported, whichever score is higher – the SAT converted to ACT or actual ACT – is used. Any scores from the new SAT test are first converted back to the old SAT scores before then being converted to an ACT score (refer to the College Board conversion tables at end of document).

GPA Points		Class Rank Points		Test Points	
GPA	Points	Rank	Points	ACT	Points
	1		1		1
	2		2		2
	3		3		3
	4		4		4
	5		5		5
	6		6		6
	7		7		7
	8		8		8
	9		9		9
	10		10		10

## 2017-2018 Estimated Costs

### Residents

Tuition and Fees: \$7,150

Room and Board: \$9,250

Other costs: \$4,880

Standard Cost of Attendance: \$21,280

### Non-Residents

Tuition and Fees: \$24,300

Room and Board: \$9,250

Other costs: \$4,880

Standard Cost of Attendance: \$38,430

## Choose Appropriate Regime

MSU-Bozeman employs three awarding regimes, based upon the students' residence status. Residents are awarded based on previously specified criteria, Non-Residents' regime is detailed below, and WUE students are managed via an application process. Students that are not given WUE status are awarded using the Non-Resident regime.



# Final Simulation Results (Assuming 2016 Admits)

## MSU-Bozeman Proposed Policy for Fall 2017 All Freshmen

Actual					Simulation				
2015 Model Population					Model Population Estimates				
	Enrolled	Inst Grant	Net Rev.	Discount	Enrolled	Inst Grant	Net Rev.	Discount	
Test:	2709	\$12,771,047			3063	\$12,036,024			2015 Budget
	(Simulated estimates based on 2015 awards)					\$12,036,024			5.45% Budget Increase
<b>Marginal</b>					<b>Marginal</b>				
	354	-\$735,023			354	-\$735,023	\$1,000,000		2015 Budget
									5.45% Budget Increase
<b>Actual + Marginal (with Budget Increase)</b>					<b>Actual + Marginal (with Budget Increase)</b>				
Model:	2709	\$12,929,194			3063	\$12,194,171			
<b>2015 Excluded Freshmen</b>					<b>Excluded Freshmen (with Budget Increase)</b>				
Non-Degree:	51	\$0			51	\$0			
Athletes:	33	\$323,243			33	\$339,890			
Internationals:	47	\$66,000			47	\$69,399			
Early Admits:	2	\$0			2	\$0			
Two-Year Program:	138	\$29,650			138	\$31,177			
No Academic Info:	7	\$0			7	\$0			
<b>Total:</b>	<b>278</b>	<b>\$418,893</b>			<b>278</b>	<b>\$440,466</b>			
<b>2015 Total Freshmen</b>					<b>Total Freshmen Estimates</b>				
	2987	\$13,348,087	\$26,499,523		3341	\$12,634,637			

# Admit and Yield Assumptions Modeled (Assuming 2016 Resident Admits)

## Admit and Yield Adjustments

	Acad Index	2015 Admits	% Increase	2017 Admits (Target)	2015 Yield	Yield Adjustment
Non-Aid Applicants	1	266	8%	287	29%	0%
	2	175	19%	208	26%	0%
	3	134	34%	180	25%	0%
	4	122	16%	142	25%	0%
	5	157	-5%	149	18%	0%
\$0 Need	1	91	12%	102	63%	0%
	2	94	12%	105	61%	0%
	3	106	22%	129	60%	0%
	4	110	16%	128	59%	0%
	5	147	12%	165	51%	0%
\$1-\$14,999	1	143	-5%	136	65%	0%
	2	132	0%	132	67%	0%
	3	117	25%	146	66%	0%
	4	92	40%	129	66%	0%
	5	145	2%	148	65%	0%
\$15,000-\$23,999	1	205	19%	244	56%	0%
	2	139	8%	150	73%	0%
	3	130	2%	133	62%	0%
	4	96	7%	103	61%	0%
	5	95	-5%	90	61%	0%
\$24,000 or More	1	4	-50%	2	100%	0%
	2	4	-50%	2	100%	0%
	3	1	0%	1	100%	0%
	4	0	0%	0	0%	0%
	5	0	0%	0	0%	0%
<b>Total</b>		<b>2705</b>		<b>3010</b>	<b>305</b>	<b>Total Admit Change</b>

# Admit and Yield Assumptions Modeled (Assuming 2016 Non-Resident Admits)

## Admit and Yield Adjustments

	Acad Index	2015 Admits	% Increase	2017 Admits (Target)	2015 Yield	Yield Adjustment
Non-Aid Applicants	1	864	4%	899	12%	0%
	2	855	14%	975	9%	0%
	3	809	6%	858	6%	0%
	4	517	25%	646	4%	0%
	5	565	-6%	531	4%	0%
\$0 Need	1	171	17%	200	27%	0%
	2	225	21%	272	24%	0%
	3	234	31%	307	23%	0%
	4	157	38%	217	22%	0%
	5	175	5%	184	19%	0%
\$1-\$14,999	1	112	45%	162	27%	0%
	2	149	13%	168	32%	0%
	3	179	14%	204	20%	0%
	4	136	32%	180	22%	0%
	5	194	-20%	155	23%	0%
\$15,000-\$23,999	1	111	0%	111	23%	0%
	2	117	2%	119	26%	0%
	3	126	15%	145	13%	0%
	4	92	25%	115	8%	0%
	5	85	33%	113	19%	0%
\$24,000 or More	1	347	4%	361	22%	0%
	2	303	0%	303	15%	0%
	3	276	5%	290	11%	0%
	4	205	0%	205	11%	0%
	5	98	28%	125	11%	0%
<b>Total</b>		<b>7102</b>		<b>7844</b>	<b>742</b>	<b>Total Admit Change</b>

# Admit and Yield Assumptions Modeled (Assuming 2016 WUE Admits)

## Admit and Yield Adjustments

	Acad Index	2015 Admits	% Increase	2017 Admits (Target)	2015 Yield	Yield Adjustment
Non-Aid Applicants	1	1	0%	1	0%	0%
	2	48	0%	48	19%	0%
	3	97	1%	98	22%	0%
	4	135	42%	192	13%	0%
	5	340	26%	428	8%	0%
\$0 Need	1	0	0%	0	0%	0%
	2	24	0%	24	54%	0%
	3	81	-10%	73	56%	0%
	4	97	38%	134	40%	0%
	5	195	75%	341	32%	0%
\$1-\$14,999	1	0	0%	0	0%	0%
	2	13	-10%	12	46%	0%
	3	42	-40%	25	38%	0%
	4	63	5%	66	44%	0%
	5	135	30%	176	21%	0%
\$15,000-\$23,999	1	0	0%	0	0%	0%
	2	10	50%	15	80%	0%
	3	30	20%	36	47%	0%
	4	37	30%	48	27%	0%
	5	88	35%	119	16%	0%
\$24,000 or More	1	0	0%	0	0%	0%
	2	9	-10%	8	33%	0%
	3	34	-30%	24	15%	0%
	4	47	-20%	38	13%	0%
	5	116	7%	124	4%	0%
<b>Total</b>		<b>1642</b>		<b>2029</b>	<b>387</b>	<b>Total Admit Change</b>

# Final Simulation Results (Assuming 2016 Admits & Yield)

## MSU-Bozeman Proposed Policy for Fall 2017 All Freshmen

Actual					Simulation				
2015 Model Population					Model Population Estimates				
	Enrolled	Inst Grant	Net Rev.	Discount	Enrolled	Inst Grant	Net Rev.	Discount	
Test:	2709	\$12,771,047	1		3224	\$12,676,508			2015 Budget
	(Simulated estimates based on 2015 awards)					\$12,676,508			5.45% Budget Increase
<b>Model:</b>					<b>Marginal</b>				
	2709	\$12,929,194			515	-\$94,538			2015 Budget
					515	-\$94,538			5.45% Budget Increase
<b>2015 Excluded Freshmen</b>					<b>Actual + Marginal (with Budget Increase)</b>				
	2709	\$12,929,194			3224	\$12,834,655			
Non-Degree:	51	\$0			<b>Excluded Freshmen (with Budget Increase)</b>				
Athletes:	33	\$323,243			51	\$0			
Internationals:	47	\$66,000			33	\$339,890			
Early Admits:	2	\$0			47	\$69,399			
Two-Year Program:	138	\$29,650			2	\$0			
No Academic Info:	7	\$0			138	\$31,177			
<b>Total:</b>	<b>278</b>	<b>\$418,893</b>			<b>7</b>	<b>\$0</b>			
					<b>278</b>	<b>\$440,466</b>			
<b>2015 Total Freshmen</b>					<b>Total Freshmen Estimates</b>				
	2987	\$13,348,087			3502	\$13,275,122			

# Admit and Yield Assumptions Modeled (Assuming 2016 Resident Admits & Yield)

## Admit and Yield Adjustments

	Acad Index	2015 Admits	% Increase	2017 Admits (Target)	2015 Yield	Yield Adjustment
Non-Aid Applicants	1	266	8%	287	29%	1%
	2	175	19%	208	26%	0%
	3	134	34%	180	25%	7%
	4	122	16%	142	25%	2%
	5	157	-5%	149	18%	12%
\$0 Need	1	91	12%	102	63%	5%
	2	94	12%	105	61%	6%
	3	106	22%	129	60%	11%
	4	110	16%	128	59%	10%
	5	147	12%	165	51%	5%
\$1-\$14,999	1	143	-5%	136	65%	1%
	2	132	0%	132	67%	-4%
	3	117	25%	146	66%	-1%
	4	92	40%	129	66%	-3%
	5	145	2%	148	65%	3%
\$15,000-\$23,999	1	205	19%	244	56%	4%
	2	139	8%	150	73%	-14%
	3	130	2%	133	62%	1%
	4	96	7%	103	61%	-9%
	5	95	-5%	90	61%	-14%
\$24,000 or More	1	4	-50%	2	100%	0%
	2	4	-50%	2	100%	0%
	3	1	0%	1	100%	0%
	4	0	0%	0	0%	0%
	5	0	0%	0	0%	0%
<b>Total</b>		<b>2705</b>		<b>3010</b>	<b>305</b>	<b>Total Admit Change</b>

# Admit and Yield Assumptions Modeled (Assuming 2016 Non-Resident Admits & Yield)

## Admit and Yield Adjustments

	Acad Index	2015 Admits	% Increase	2017 Admits (Target)	2015 Yield	Yield Adjustment
Non-Aid Applicants	1	864	4%	899	12%	0%
	2	855	14%	975	9%	0%
	3	809	6%	858	6%	-1%
	4	517	25%	646	4%	2%
	5	565	-6%	531	4%	0%
\$0 Need	1	171	17%	200	27%	4%
	2	225	21%	272	24%	2%
	3	234	31%	307	23%	1%
	4	157	38%	217	22%	-6%
	5	175	5%	184	19%	-1%
\$1-\$14,999	1	112	45%	162	27%	11%
	2	149	13%	168	32%	-9%
	3	179	14%	204	20%	1%
	4	136	32%	180	22%	-4%
	5	194	-20%	155	23%	0%
\$15,000-\$23,999	1	111	0%	111	23%	1%
	2	117	2%	119	26%	-11%
	3	126	15%	145	13%	5%
	4	92	25%	115	8%	8%
	5	85	33%	113	19%	-4%
\$24,000 or More	1	347	4%	361	22%	7%
	2	303	0%	303	15%	2%
	3	276	5%	290	11%	6%
	4	205	0%	205	11%	-1%
	5	98	28%	125	11%	3%
<b>Total</b>		<b>7102</b>		<b>7844</b>	<b>742</b>	<b>Total Admit Change</b>

# Admit and Yield Assumptions Modeled (Assuming 2016 WUE Admits & Yield)

## Admit and Yield Adjustments

	Acad Index	2015 Admits	% Increase	2017 Admits (Target)	2015 Yield	Yield Adjustment
Non-Aid Applicants	1	1	0%	1	0%	0%
	2	48	0%	48	19%	20%
	3	97	1%	98	22%	5%
	4	135	42%	192	13%	0%
	5	340	26%	428	8%	-1%
\$0 Need	1	0	0%	0	0%	0%
	2	24	0%	24	54%	10%
	3	81	-10%	73	56%	-8%
	4	97	38%	134	40%	-1%
	5	195	75%	341	32%	1%
\$1-\$14,999	1	0	0%	0	0%	0%
	2	13	-10%	12	46%	21%
	3	42	-40%	25	38%	24%
	4	63	5%	66	44%	-12%
	5	135	30%	176	21%	9%
\$15,000-\$23,999	1	0	0%	0	0%	0%
	2	10	50%	15	80%	-16%
	3	30	20%	36	47%	3%
	4	37	30%	48	27%	8%
	5	88	35%	119	16%	12%
\$24,000 or More	1	0	0%	0	0%	0%
	2	9	-10%	8	33%	-33%
	3	34	-30%	24	15%	9%
	4	47	-20%	38	13%	-1%
	5	116	7%	124	4%	-3%
<b>Total</b>		<b>1642</b>		<b>2029</b>	<b>387</b>	<b>Total Admit Change</b>

ACT	NewSAT
36	1600
35	1590
35	1580
35	1570
35	1560
34	1550
34	1540
34	1530
34	1520
33	1510
33	1500
33	1490
32	1480
32	1470
32	1460
32	1450
31	1440
31	1430
31	1420
30	1410
30	1400
30	1390
29	1380
29	1370
29	1360
28	1350
28	1340
28	1330
28	1320
27	1310
27	1300
27	1290
27	1280
26	1270
26	1260
26	1250
26	1240
25	1230
25	1220
25	1210
24	1200
24	1190

24	1180
24	1170
23	1160
23	1150
23	1140
23	1130
22	1120
22	1110
22	1100
21	1090
21	1080
21	1070
21	1060
20	1050
20	1040
20	1030
20	1020
19	1010
19	1000
19	990
19	980
18	970
18	960
18	950
18	940
17	930
17	920
17	910
17	900
16	890
16	880
16	870
16	860
16	850
15	840
15	830
15	820
15	810
15	800
14	790
14	780
14	770
14	760
13	750
13	740
13	730

13	720
13	710
12	700
12	690
12	680
12	670
12	660
12	650
12	640
12	630
11	620
11	610
11	600
11	590
11	580
11	570
11	560

ACT	OldSAT
36	2400
36	2390
36	2380
35	2370
35	2360
35	2350
35	2340
35	2330
35	2320
35	2310
35	2300
35	2290
34	2280
34	2270
34	2260
34	2250
34	2240
34	2230
34	2220
33	2210
33	2200
33	2190
33	2180
33	2170
33	2160
33	2150
33	2140
32	2130
32	2120
32	2110
32	2100
32	2090
32	2080
31	2070
31	2060
31	2050
31	2040
31	2030
31	2020
30	2010
30	2000
30	1990
30	1980
29	1970
29	1960

29	1950
29	1940
29	1930
29	1920
28	1910
28	1900
28	1890
28	1880
28	1870
28	1860
27	1850
27	1840
27	1830
27	1820
27	1810
27	1800
26	1790
26	1780
26	1770
26	1760
26	1750
26	1740
25	1730
25	1720
25	1710
25	1700
25	1690
25	1680
24	1670
24	1660
24	1650
24	1640
24	1630
24	1620
23	1610
23	1600
23	1590
23	1580
23	1570
23	1560
22	1550
22	1540
22	1530
22	1520
22	1510
21	1500

21	1490
21	1480
21	1470
21	1460
21	1450
20	1440
20	1430
20	1420
20	1410
20	1400
20	1390
19	1380
19	1370
19	1360
19	1350
19	1340
19	1330
18	1320
18	1310
18	1300
18	1290
18	1280
18	1270
17	1260
17	1250
17	1240
17	1230
17	1220
17	1210
16	1200
16	1190
16	1180
16	1170
16	1160
16	1150
16	1140
15	1130
15	1120
15	1110
15	1100
15	1090
15	1080
15	1070
15	1060
14	1050
14	1040

14	1030
14	1020
14	1010
14	1000
14	990
13	980
13	970
13	960
13	950
13	940
13	930
13	920
13	910
12	900
12	890
12	880
12	870
12	860
12	850
12	840
12	830
12	820
11	810
11	800
11	790
11	780
11	770
11	760
11	750