

The 2005 MSA Tracking Studies Of Student Admit Groups, 1998 – 2003

During February, March, and April 2005 the ProfEd Department of Organizational Research & Assessment performed focused studies of retention tracking for the academic programs delivered by ProfEd. The following approach and methodology was used to produce the tracking and resulting retention statistics shown in this document:

Source of Data

ProfEd's Information Technology Department extracted data records of 304,910 course enrollments, Winter term 1998 through Winter term 2005. From those records, 156,408 course enrollments of MSA student were identified, including:

- Student identification: first and last name, CMU id
- Demographics: sex, race/ethnicity, age
- Course identification: CRN, subject, number, term, final grade, location
- Student information: concentration, admission data, graduation date

Research Questions

The following research questions were developed in consultation with the Retention Study Task Force:

- How do MSA students “typically” move through their programs?
- How many terms does the “typical” MSA student remain enrolled?
- What is the MSA's overall graduation rate?
- How long does it take the “typical” MSA student to graduate?

Approach and Methodology

The 156,408 course enrollments were parsed into “annual admit groups”, as a method of organizing students who are admitted to the MSA programs year-around. Using MS Access, the six annual admit groups – 1998, 1999, 2000, 2001, 2002, and 2003 – were then tracked from their first term enrolled through 2005¹ (Winter term 2005). All six tracking studies, accompanied by the retention statistics for each admit group, are shown in this document.

The basic determination of enrollment behavior – did students re-enroll after the previous term, or did they not re-enroll – is represented by diagonal arrows in the tracking diagrams.

In each term, the following data are shown:

- Total course enrollments
- Total students enrolled (unduplicated)
- Source of enrolled students –
 - Those who were enrolled in the previous term
 - Those who were newly admitted
 - Those who had “stopped out” one or more terms, then re-enrolled in the current term

Immediately after the Fall, Winter, and Summer II terms, graduate numbers are displayed.

**MSA Retention Study:
Students Who Were Admitted During 1998 (n = 2,702)**

	<u>19981</u>	<u>19982</u>	<u>19983</u>	<u>19984</u>	<u>19991</u>	<u>19992</u>
Total Course Enrollments:	869	402	718	3,644	4,443	775
Total Students Enrolled:	557	393	614	1,813	1,959	728
Source of Enrolled Students:						
• Newly enrolled	557	148	247	1,148	452	15
• Enrolled during the previous term		245	259	503	1,459	691
• Stopout from a prior term			108	158	46	2
Did not re-enroll:		312	134	111	354	1,268
Graduated:						<u>21</u>
• Enrolled previous term						20
• Stopouts						0
• Did not re-enroll						1

	<u>19993</u>	<u>19994</u>	<u>20001</u>	<u>20002</u>	<u>20003</u>	<u>20004</u>
Total Course Enrollments:	1,409	3,426	2,640	239	666	1,422
Total Students Enrolled:	1,159	1,533	1,261	222	560	782
Source of Enrolled Students:						
• Newly enrolled	20	49	17	1	5	1
• Enrolled during the previous term	501	978	1,115	200	125	402
• Stopout from a prior term	638	501	129	21	435	364
Did not re-enroll	227	181	418	1,061	97	158
Graduated:	<u>67</u>	<u>103</u>	<u>251</u>	<u>158</u>	<u>158</u>	<u>207</u>
• Enrolled previous term	50	81	158	45	45	103
• Stopouts	14	9	12	107	107	77
• Did not re-enroll	3	11	81	6	6	27

**MSA Retention Study:
Students Who Were Admitted During 1998 (n = 2,702)**

	<u>20011</u>	<u>20012</u>	<u>20013</u>	<u>20014</u>	<u>20021</u>	<u>20022</u>
Total Course Enrollments:	925	118	218	563	439	55
Total Students Enrolled:	544	101	188	350	262	52
Source of Enrolled Students:						
• Newly enrolled	10	3	3	8	1	0
• Enrolled during the previous term	435	75	39	117	181	39
• Stopout from a prior term	99	23	146	225	80	13
Did not re-enroll	347	469	62	71	169	223
Graduated:		211		94	98	148
• Enrolled previous term		79		10	34	40
• Stopouts		60		79	48	65
• Did not re-enroll		72		5	16	43

	<u>20023</u>	<u>20024</u>	<u>20031</u>	<u>20032</u>	<u>20033</u>	<u>20034</u>
Total Course Enrollments:	125	294	240	28	76	176
Total Students Enrolled:	101	196	154	23	68	117
Source of Enrolled Students:						
• Newly enrolled	0	0	0	0	0	1
• Enrolled during the previous term	27	56	81	17	6	25
• Stopout from a prior term	74	140	73	6	62	91
Did not re-enroll	25	45	115	137	17	43
Graduated:		65	54	40	32	22
• Enrolled previous term		10	25	25	13	11
• Stopouts		52	21	7	16	8
• Did not re-enroll		3	8	8	3	3

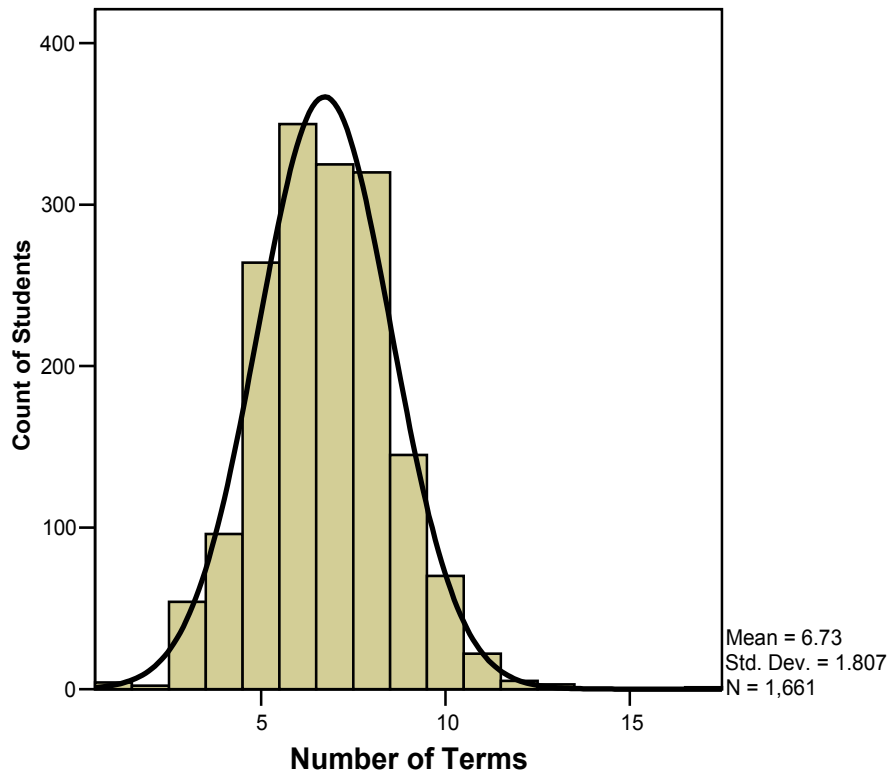
**MSA Retention Study:
Students Who Were Admitted During 1998 (n = 2,702)**

	<u>20041</u>	<u>20042</u>	<u>20043</u>	<u>20044</u>	<u>20051</u>	
Total Course Enrollments:	153	28	52	145	105	
Total Students Enrolled:	98	27	45	88	73	
Source of Enrolled Students:						
• Newly enrolled	0	0	0	0	0	
• Enrolled during the previous term	43	13	10	22	36	
• Stopout from a prior term	55	14	35	66	37	
Did not re-enroll	74	85	17	23	52	
Graduated:		22		13	17	26
• Enrolled previous term		11		0	10	19
• Stopouts		8		11	4	2
• Did not re-enroll		3		2	3	5

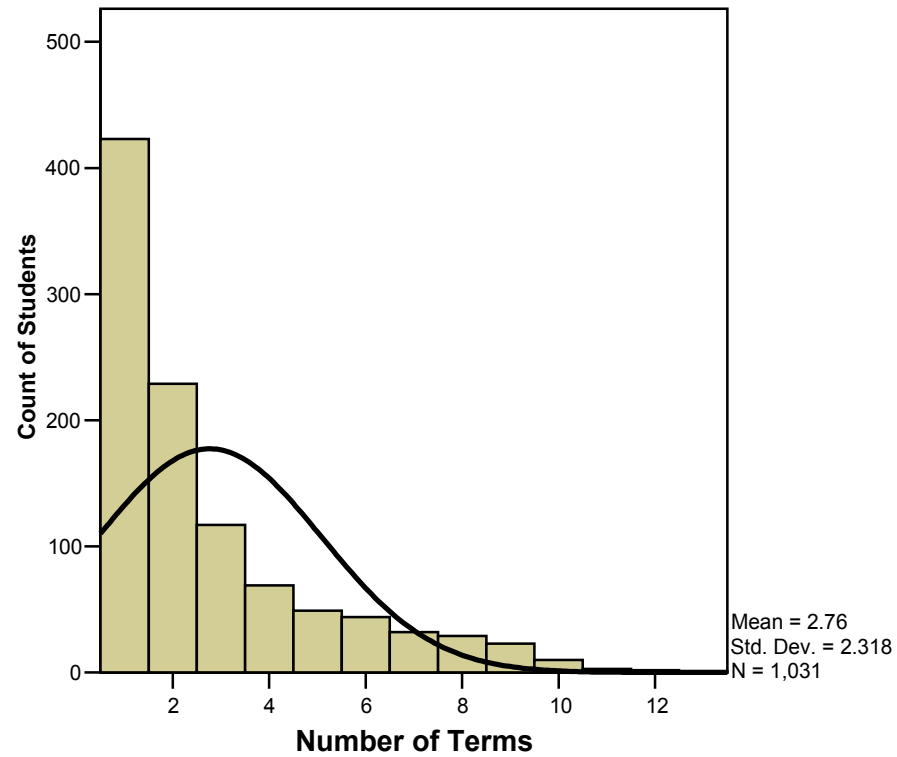
Overall Statistics: MSA Students Admitted During 1998

Total Course Enrollments, 19981 – 20051:	24,393
Total Students Enrolled:	2,702
Dropouts/Dropout Rate, After One Term:	436 (16.1% of 2,702)
Graduates/Graduation Rate:	1,661 (61.5% of 2,702)
Number of Terms Enrolled:	Mean = 6.73; Standard deviation = 1.81
Non-Graduates (number and percent of total students enrolled):	1,031 (38.2% of 2,702)
Number of Terms Enrolled:	Mean = 2.76; Standard deviation = 2.32

**MSA 1998 Admittees Who Graduated:
Number of Terms Enrolled**



**MSA 1998 Admittees Who Did Not Graduate:
Number of Terms Enrolled**



MSA Retention Study:

Students Who Were Admitted During 1999 (n = 2,155)

	<u>19991</u>	<u>19992</u>	<u>19993</u>	<u>19994</u>	<u>20001</u>	<u>20002</u>
Total Course Enrollments:	712	294	582	2,812	3,596	629
Total Students Enrolled:	434	268	481	1,373	1,559	584
Source of Enrolled Students:						
• Newly enrolled	434	121	172	881	439	11
• Enrolled during the previous term		147	184	388	1,074	551
• Stopout from a prior term			125	102	46	22
Did not re-enroll		287	84	93	299	1,008
Graduated:					20	
• Enrolled previous term					17	
• Stopout					0	
• Did not re-enroll					3	

	<u>20003</u>	<u>20004</u>	<u>20011</u>	<u>20012</u>	<u>20013</u>	<u>20014</u>
Total Course Enrollments:	1,172	2,772	2,069	325	458	1,010
Total Students Enrolled:	931	1,208	993	293	381	577
Source of Enrolled Students:						
• Newly enrolled	18	36	15	1	4	9
• Enrolled during previous term	403	769	876	264	129	228
• Stopout from a prior term	510	403	102	28	248	340
Did not re-enroll	181	162	332	729	164	153
Graduated:	74	113	177		133	159
• Enrolled previous term	56	94	109		34	74
• Stopout	12	8	8		88	48
• Did not re-enroll	6	11	60		11	37

MSA Retention Study:

Students Who Were Admitted During 1999 (n = 2,155)

	<u>20021</u>	<u>20022</u>	<u>20023</u>	<u>20024</u>	<u>20031</u>	<u>20032</u>
Total Course Enrollments:	713	93	178	431	310	29
Total Students Enrolled:	406	82	148	262	198	29
Source of Enrolled Students:						
• Newly enrolled	4	0	0	5	0	1
• Enrolled during the previous term	313	58	32	91	118	20
• Stopout from a prior term	89	24	116	166	80	8
Did not re-enroll	264	348	50	57	144	178
Graduated:	<u>209</u>		<u>98</u>	<u>85</u>	<u>57</u>	
• Enrolled previous term	80		23	53	34	
• Stopout	51		68	24	12	
• Did not re-enroll	78		7	8	11	

	<u>20033</u>	<u>20034</u>	<u>20041</u>	<u>20042</u>	<u>20043</u>	<u>20044</u>
Total Course Enrollments:	97	251	181	29	72	130
Total Students Enrolled:	79	145	115	26	57	89
Source of Enrolled Students:						
• Newly enrolled	0	0	0	0	0	0
• Enrolled during the previous term	10	43	62	15	11	24
• Stopout from a prior term	69	102	53	11	46	65
Did not re-enroll	19	36	83	100	15	33
Graduated:	<u>26</u>	<u>36</u>	<u>35</u>		<u>16</u>	<u>24</u>
• Enrolled previous term	6	19	18		4	12
• Stopout	18	12	8		11	8
• Did not re-enroll	2	5	9		1	4

MSA Retention Study:

Students Who Were Admitted During 1999 (n = 2,155)

20051

Total Course Enrollments: 136

Total Students Enrolled: 85

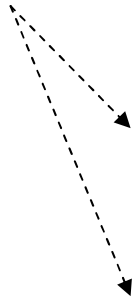
Source of Enrolled Students:

Newly enrolled 0

Enrolled during previous term 48

Stopout from a prior term 37

Did not re-enroll 41



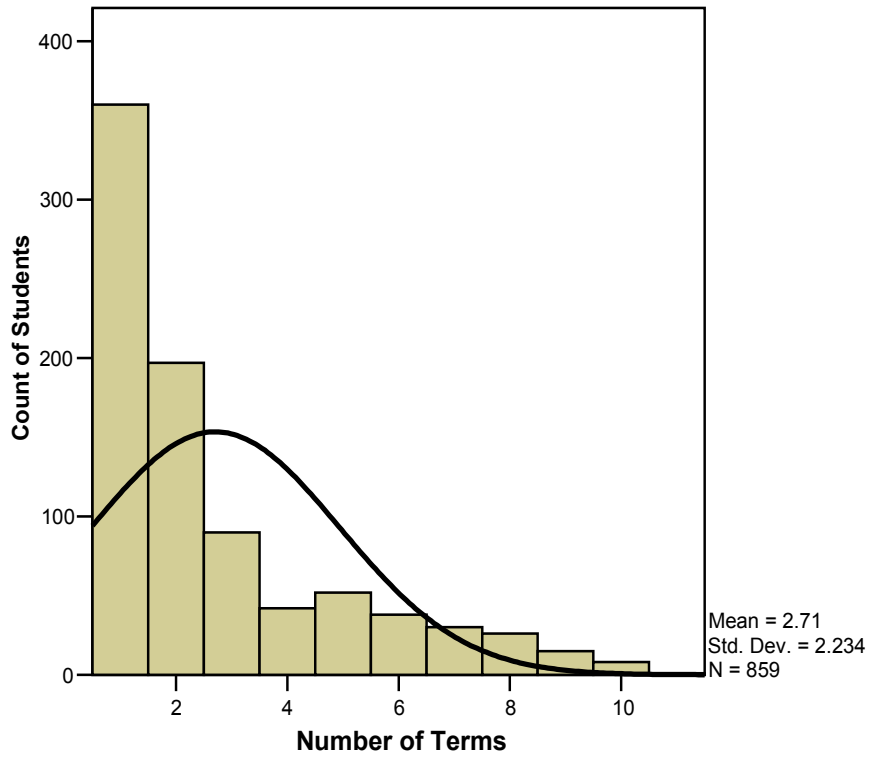
Graduated: 13

- Enrolled previous term 7
- Stopout 3
- Did not re-enroll 3

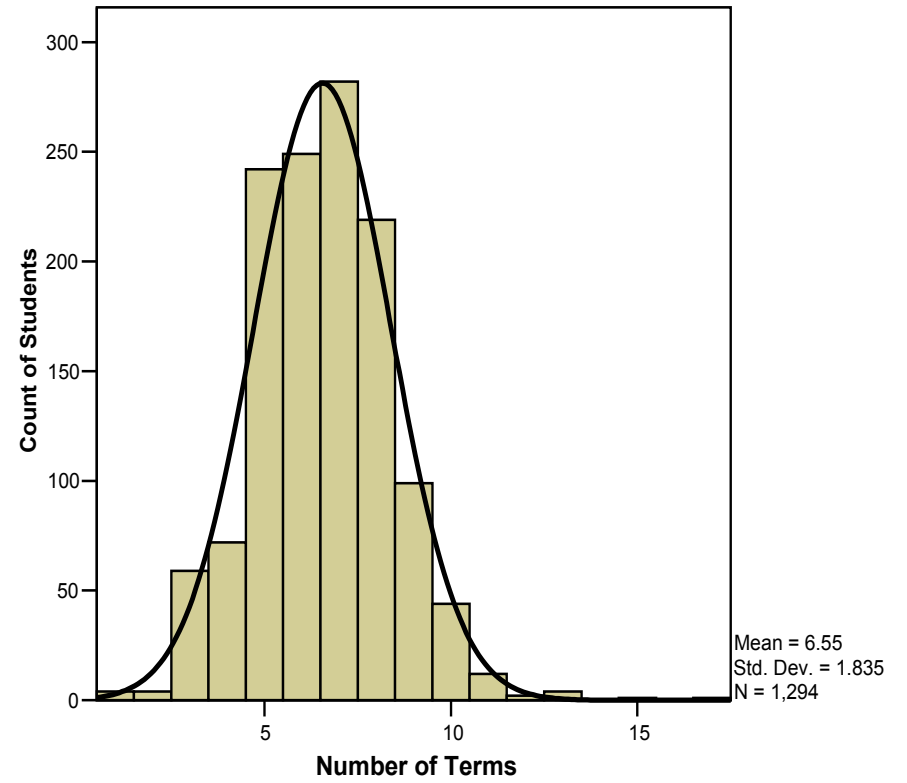
Overall Statistics: MSA Students Admitted During 1999

Total Course Enrollments, 19991 – 20051:	19,081
Total Students Enrolled:	2,153
Dropouts/Dropout Rate, After One Term:	368 (17.1% of 2,153)
Graduates/Graduation Rate:	1,294 (60.1% of 2,153)
Number of Terms Enrolled:	mean = 6.55; standard deviation = 1.835
Non-Graduates (number and percent of total students enrolled):	859 (39.9% of 2,153)
Number of Terms Enrolled:	mean = 2.71; standard deviation = 2.234

**MSA 1999 Admittees Who Did Not Graduate:
Number of Terms Enrolled**



**MSA 1999 Admittees Who Graduated: Number
of Terms Enrolled**



MSA Retention Study:

Students Who Were Admitted During 2000 (n = 2,283)

	<u>20001</u>	<u>20002</u>	<u>20003</u>	<u>20004</u>	<u>20011</u>	<u>20012</u>
<u>Total Course Enrollments:</u>	770	300	588	3,209	3,902	814
<u>Total Students Enrolled:</u>	482	281	475	1,498	1,687	740
<u>Source of Enrolled Students:</u>						
• Newly enrolled	482	112	158	965	449	19
• Enrolled during the previous term		169	202	404	1,194	699
• Stopout from a prior term			115	129	44	22
<u>Did not re-enroll</u>		313	79	71	304	988
<u>Graduated:</u>						
• Enrolled previous term					11	
• Stopout					10	
• Did not re-enroll					0	
					1	

	<u>20013</u>	<u>20014</u>	<u>20021</u>	<u>20022</u>	<u>20023</u>	<u>20024</u>
<u>Total Course Enrollments:</u>	1,229	2,921	2,160	336	568	1,228
<u>Total Students Enrolled:</u>	975	1,339	1,033	312	476	684
<u>Source of Enrolled Students:</u>						
• Newly enrolled	13	38	16	5	1	3
• Enrolled during the previous term	530	818	931	276	172	319
• Stopout from a prior term	432	483	86	31	303	362
<u>Did not re-enroll</u>	210	157	408	757	140	157
<u>Graduated:</u>	84	174	248		160	261
• Enrolled previous term	63	147	136		75	204
• Stopout	12	13	19		74	23
• Did not re-enroll	9	14	93		11	34

MSA Retention Study:

Students Who Were Admitted During 2000 (n = 2,283)

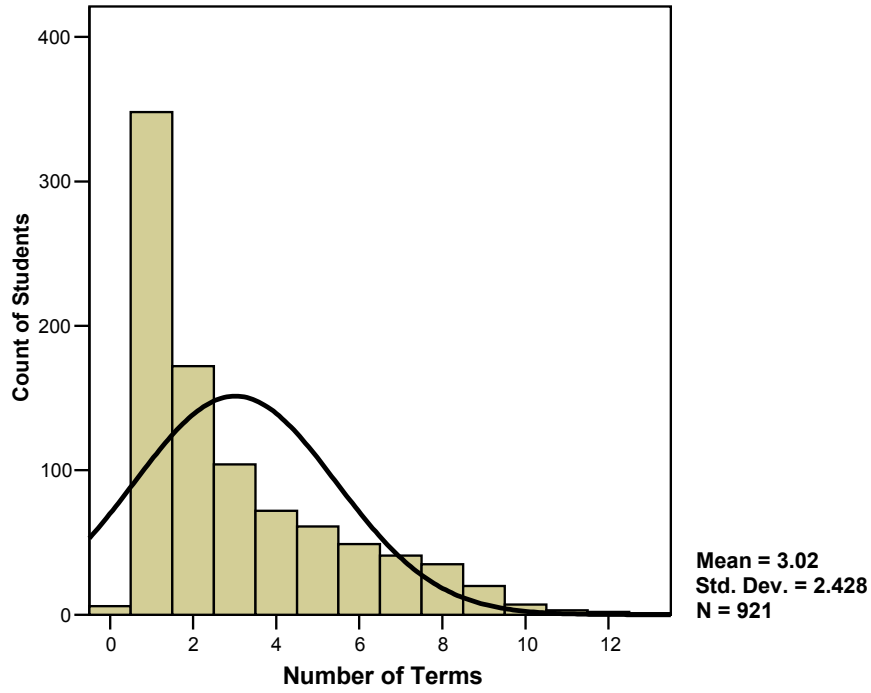
	<u>20031</u>	<u>20032</u>	<u>20033</u>	<u>20034</u>	<u>20041</u>	<u>20042</u>
<u>Total Course Enrollments:</u>	836	72	197	409	373	41
<u>Total Students Enrolled:</u>	468	68	162	241	211	39
<u>Source of Enrolled Students:</u>						
• Newly enrolled	6	0	0	4	1	0
• Enrolled during the previous term	350	60	33	77	122	28
• Stopout from a prior term	112	8	129	160	88	11
<u>Did not re-enroll</u>	334	408	35	85	119	183
<u>Graduated:</u>	115		70	60	43	
• Enrolled previous term	79		29	34	23	
• Stopout	10		36	18	9	
• Did not re-enroll	26		5	8	11	

	<u>20043</u>	<u>20044</u>	<u>20051</u>
<u>Total Course Enrollments:</u>	99	265	180
<u>Total Students Enrolled:</u>	77	163	122
<u>Source of Enrolled Students:</u>			
• Newly enrolled	1	1	0
• Enrolled during the previous term	12	43	76
• Stopout from a prior term	64	119	46
<u>Did not re-enroll</u>	27	34	87
<u>Graduated:</u>	41	28	30
• Enrolled previous term	11	16	17
• Stopout	25	8	4
• Did not re-enroll	5	4	9

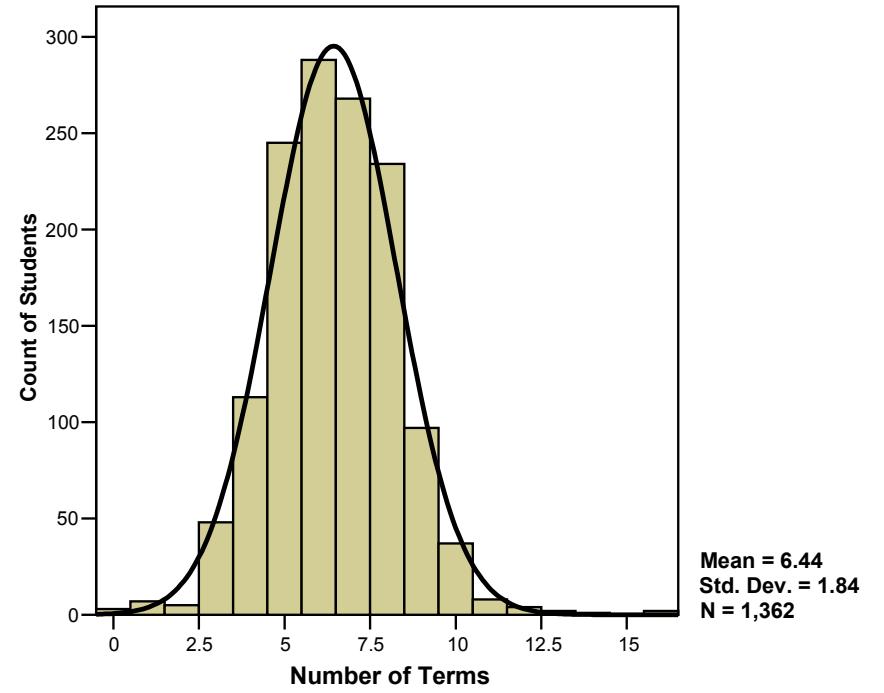
Overall Statistics: MSA Students Admitted During 2000

Total Course Enrollments, 20001 – 20051:	20,497
Total Students Enrolled:	2,283
Dropouts/Dropout Rate, After One Term:	207 (9.1% of 2,283)
Graduates/Graduation Rate:	1,362 (59.7% of 2,283)
Number of Terms Enrolled:	mean = 6.44; standard deviation = 1.840
Non-Graduates (number and percent of total students enrolled):	921 (40.3% of 2,283)
Number of Terms Enrolled:	mean = 3.02; standard deviation = 2.428

**MSA 2000 Admittees Who Did Not Graduate:
Number of Terms Enrolled**



**MSA 2000 Admittees Who Graduated:
Number of Terms Enrolled**



MSA Retention Study:

Students Who Were Admitted During 2001 (n = 2,052)

	<u>20011</u>	<u>20012</u>	<u>20013</u>	<u>20014</u>	<u>20021</u>	<u>20022</u>
<u>Total Course Enrollments:</u>	754	274	655	2,929	3,514	578
<u>Total Students Enrolled:</u>	443	259	513	1,398	1,523	528
<u>Source of Enrolled Students:</u>						
• Newly enrolled	443	97	224	820	364	17
• Enrolled during the previous term		162	161	441	1,134	491
• Stopout from a prior term			128	137	25	20
<u>Did not re-enroll</u>		281	98	72	264	1,032
<u>Graduated:</u>						34
• Enrolled previous term						30
• Stopout						0
• Did not re-enroll						4

	<u>20023</u>	<u>20024</u>	<u>20031</u>	<u>20032</u>	<u>20033</u>	<u>20034</u>
<u>Total Course Enrollments:</u>	1,228	2,667	2,072	204	600	1,037
<u>Total Students Enrolled:</u>	939	1,238	1,002	198	476	567
<u>Source of Enrolled Students:</u>						
• Newly enrolled	12	52	12	0	1	3
• Enrolled during the previous term		791	902	181	123	301
• Stopout from a prior term		395	88	17	352	263
<u>Did not re-enroll</u>	156	148	336	821	75	175
<u>Graduated:</u>	109	156	248		115	179
• Enrolled previous term	87	145	221		61	109
• Stopout	16	5	0		41	16
• Did not re-enroll	6	6	27		13	54

MSA Retention Study:

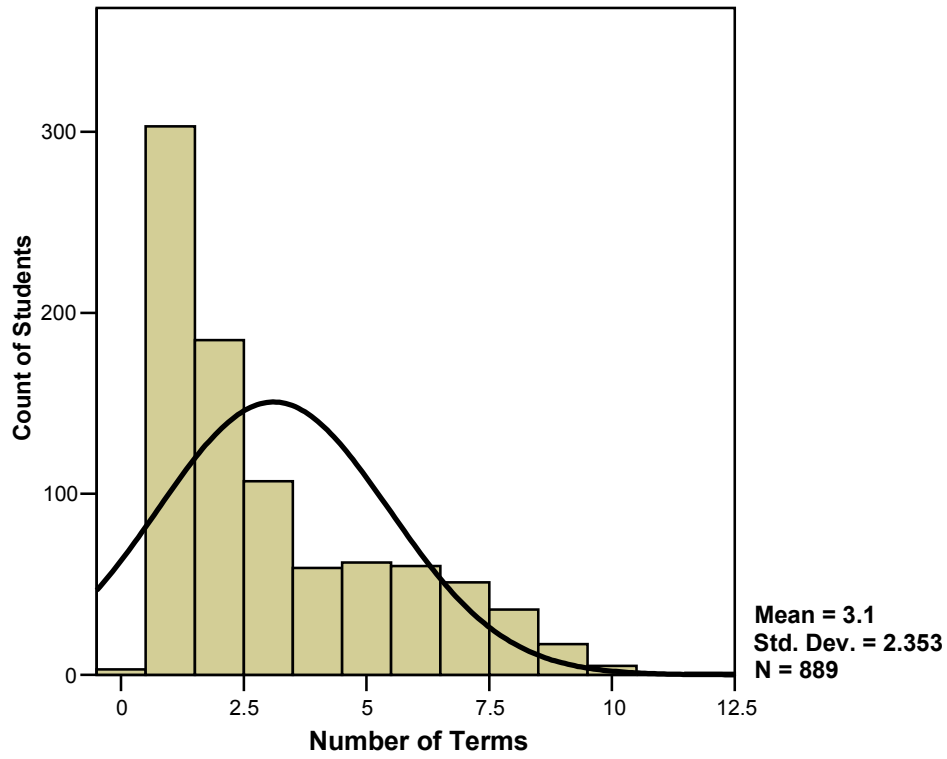
Students Who Were Admitted During 2001 (n = 2,052)

	<u>20041</u>	<u>20042</u>	<u>20043</u>	<u>20044</u>	<u>20051</u>
<u>Total Course Enrollments:</u>	680	69	164	362	276
<u>Total Students Enrolled:</u>	404	65	133	216	170
<u>Source of Enrolled Students:</u>					
• Newly enrolled	3	0	2	1	2
• Enrolled during the previous term	320	57	28	79	113
• Stopout from a prior term	81	8	103	136	55
<u>Did not re-enroll</u>	247	347	37	54	103
<u>Graduated:</u>	<u>132</u>		<u>59</u>	<u>53</u>	<u>39</u>
• Enrolled previous term	104		22	33	25
• Stopout	6		26	12	0
• Did not re-enroll	22		11	8	14

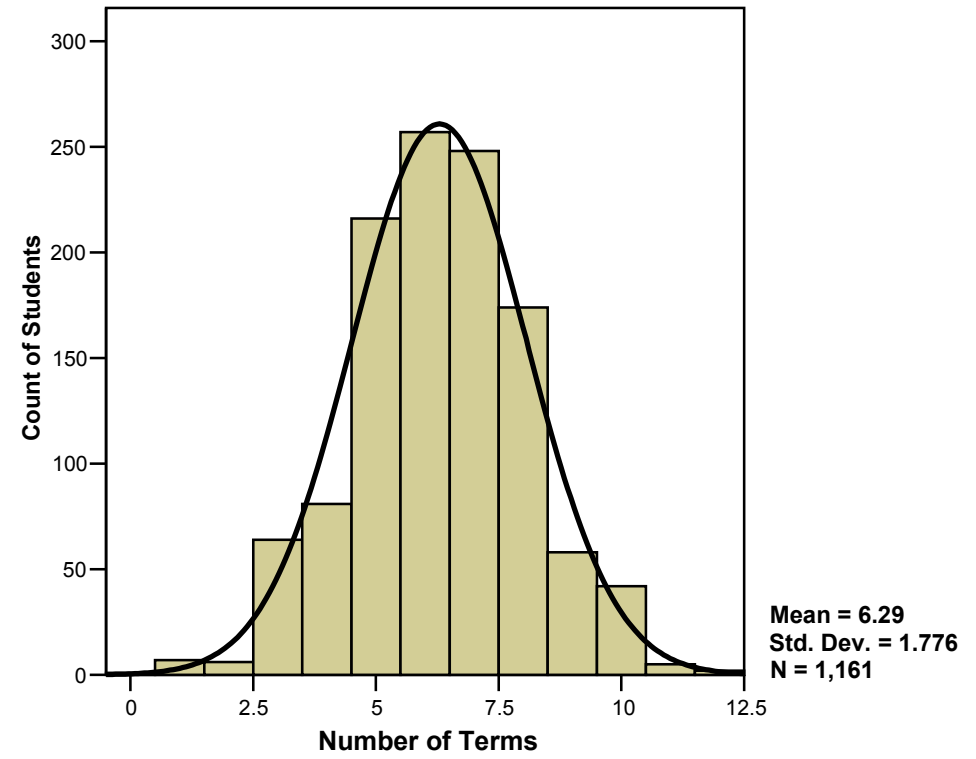
Overall Statistics: MSA Students Admitted During 2001

Total Course Enrollments, 20011 – 20051:	18,063
Total Students Enrolled:	2,052
Dropouts/Dropout Rate, After One Term:	312 (15.2% of 2,050)
Graduates/Graduation Rate:	1,161 (56.6% of 2,050)
Number of Terms Enrolled:	mean = 6.29; standard deviation = 1.776
Non-Graduates (number and percent of total students enrolled):	889 (43.4% of 2,050)
Number of Terms Enrolled:	mean = 3.10; standard deviation = 2.353

**MSA 2001 Admittees Who Did Not Graduate:
Number of Terms Enrolled**



**MSA 2001 Admittees Who Graduated:
Number of Terms Enrolled**



MSA Retention Study:

Students Who Were Admitted During 2002 (n = 1,914)

	<u>20021</u>	<u>20022</u>	<u>20023</u>	<u>20024</u>	<u>20031</u>	<u>20032</u>
<u>Total Course Enrollments:</u>	673	230	528	2,690	3,269	507
<u>Total Students Enrolled:</u>	366	212	400	1,314	1,422	480
<u>Source of Enrolled Students:</u>						
• Newly enrolled	366	99	148	876	353	13
• Enrolled during the previous term		113	128	332	1,044	460
• Stopout from a prior term			124	105	25	7
<u>Did not re-enroll</u>		253	84	68	270	962
<u>Graduated:</u>						
• Enrolled previous term						26
• Stopout						24
• Did not re-enroll						0
						2

	<u>20033</u>	<u>20034</u>	<u>20041</u>	<u>20042</u>	<u>20043</u>	<u>20044</u>
<u>Total Course Enrollments:</u>	1,106	2,444	1,910	257	546	1,005
<u>Total Students Enrolled:</u>	791	1,083	902	243	436	566
<u>Source of Enrolled Students:</u>						
• Newly enrolled	10	24	9	3	1	3
• Enrolled during the previous term	274	624	809	224	146	264
• Stopout from a prior term	507	435	84	16	289	299
<u>Did not re-enroll</u>	206	167	274	678	97	172
<u>Graduated:</u>						
• Enrolled previous term	112	150	156		129	190
• Stopout	96	139	131		87	148
• Did not re-enroll	8	3	2		35	12
	8	8	23		7	30

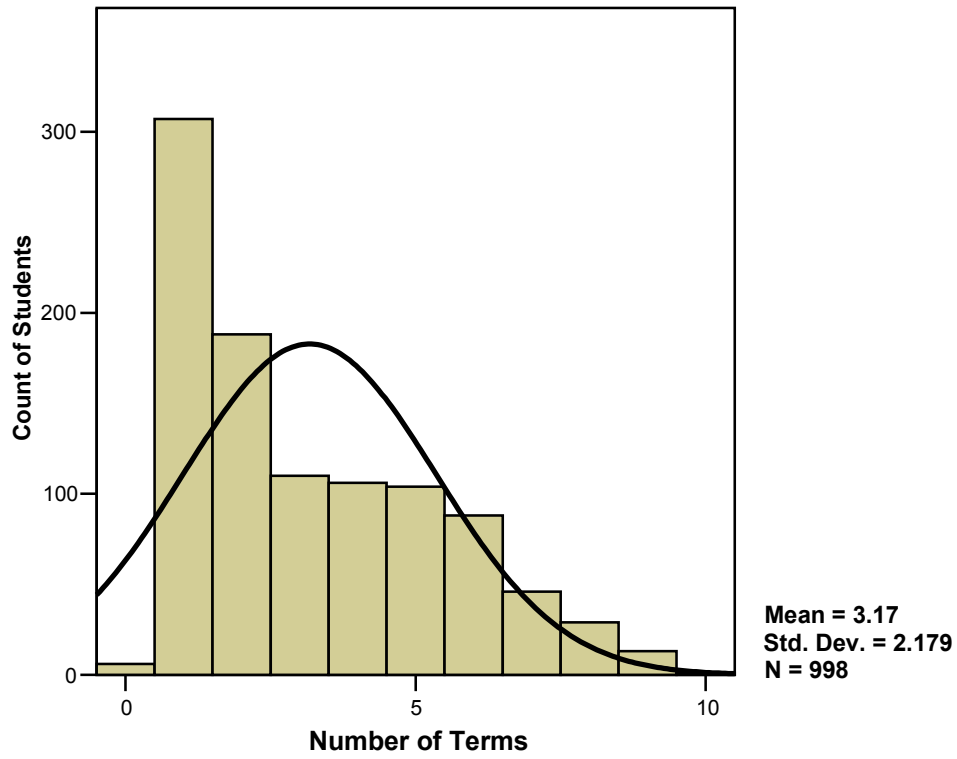
MSA Retention Study:
Students Who Were Admitted During 2002 (n = 1,914)

	20051
<u>Total Course Enrollments:</u>	589
<u>Total Students Enrolled:</u>	357
<u>Source of Enrolled Students:</u>	
• Newly enrolled	0
• Enrolled during the previous term	287
• Stopout from a prior term	70
<u>Did not re-enroll</u>	279
<u>Graduated:</u>	105
• Enrolled previous term	70
• Stopout	6
• Did not re-enroll	29

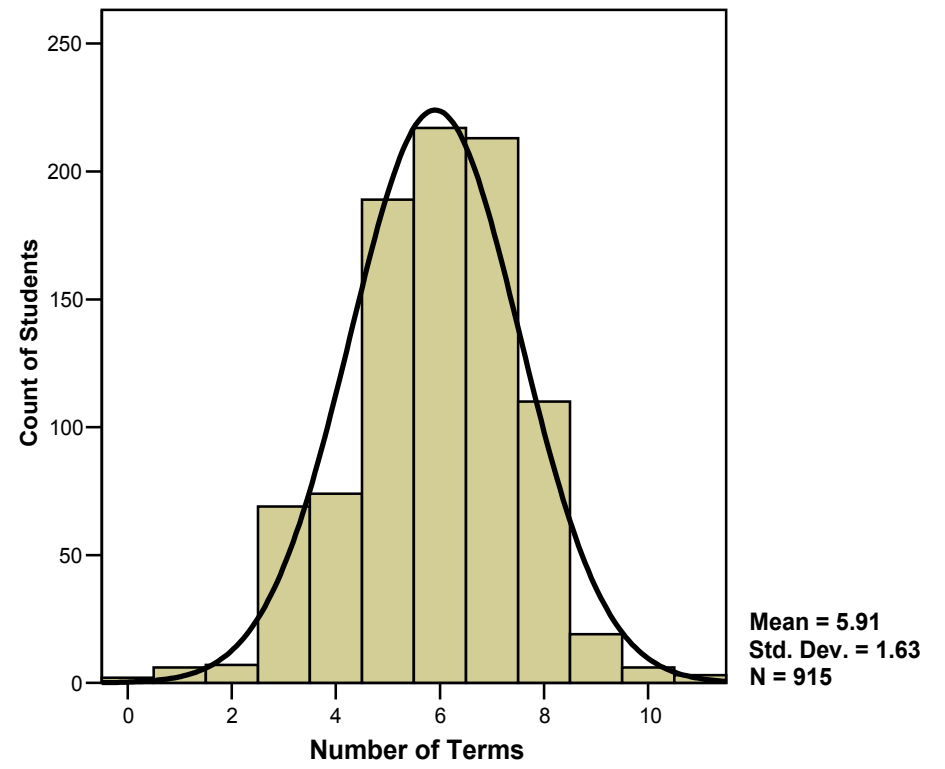
Overall Statistics: MSA Students Admitted During 2002

Total Course Enrollments, 20021 – 20051:	15,754
Total Students Enrolled:	1,914
Dropouts/Dropout Rate, After One Term:	319 (16.7% of 1,914)
Graduates/Graduation Rate:	916 (47.9% of 1,914)
Number of Terms Enrolled:	mean = 5.91; standard deviation = 1.630 (n = 915)
Non-Graduates (number and percent of total students enrolled):	998 (52.1% of 1914)
Number of Terms Enrolled:	mean = 3.17; standard deviation = 2.179

**MSA 2002 Admittees Who Did Not Graduate:
Number of Terms Enrolled**



**MSA 2002 Admittees Who Graduated:
Number of Terms Enrolled**



MSA Retention Study:

Students Who Were Admitted During 2003 (n = 1,488)

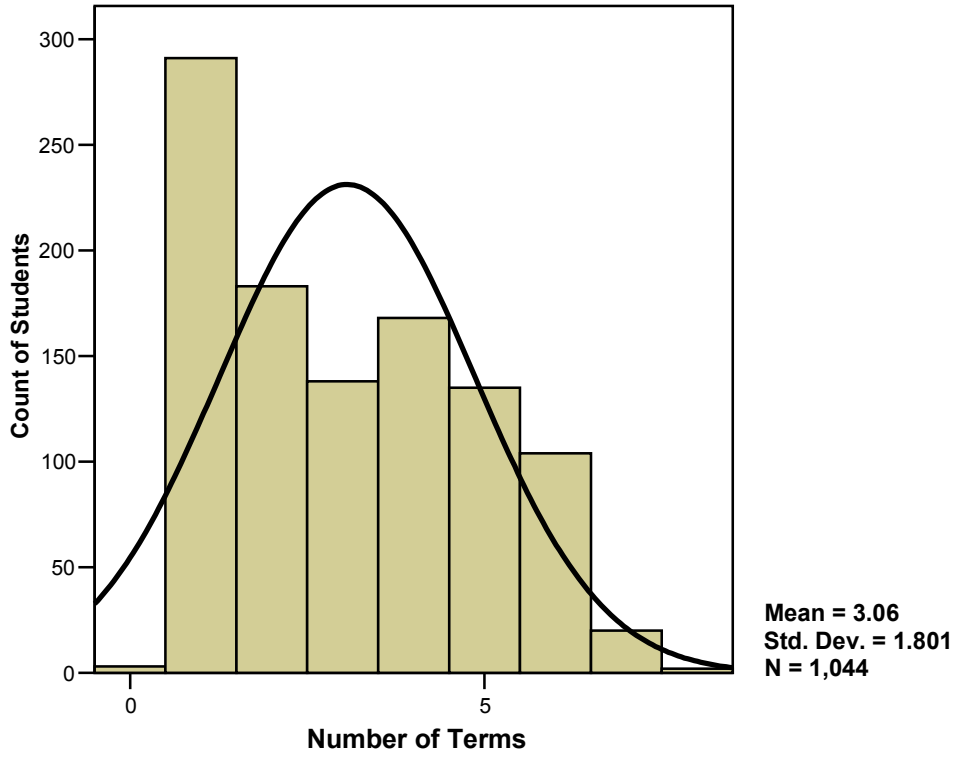
	<u>20031</u>	<u>20032</u>	<u>20033</u>	<u>20034</u>	<u>20041</u>	<u>20042</u>
<u>Total Course Enrollments:</u>	555	223	466	2,144	2,490	420
<u>Total Students Enrolled:</u>	350	214	350	1,026	1,065	388
<u>Source of Enrolled Students:</u>						
<u>Newly enrolled</u>			131	616	238	15
<u>Enrolled during the previous term</u>		122	127	300	812	366
<u>Stopout from a prior term</u>			92	109	15	7
<u>Did not re-enroll</u>		228	87	50	214	699
<u>Graduated:</u>					<u>31</u>	
• Enrolled previous term					29	
• Stopout					0	
• Did not re-enroll					2	

	<u>20043</u>	<u>20044</u>	<u>20051</u>
<u>Total Course Enrollments:</u>	899	1,666	1,154
<u>Total Students Enrolled:</u>	654	765	627
<u>Source of Enrolled Students:</u>			
<u>Newly enrolled</u>	9	19	11
<u>Enrolled during previous term</u>	281	476	544
<u>Stopout from a prior term</u>	364	270	72
<u>Did not re-enroll</u>	107	178	221
<u>Graduated:</u>	<u>114</u>	<u>99</u>	<u>159</u>
• Enrolled previous term	101	88	138
• Stopout	6	1	1
• Did not re-enroll	7	10	20

Overall Statistics: MSA Students Admitted During 2003

Total Course Enrollments, 20031 – 20051:	10,017
Total Students Enrolled:	1,488
Dropouts/Dropout Rate, After One Term:	284 (19.1% of 1,488)
Graduates/Graduation Rate:	444 (29.8% of 1,488)
Number of Terms Enrolled:	mean = 5.5; standard deviation = 1.597
Non-Graduates (number and percent of total students enrolled):	1,044 (70.2% of 1,488)
Number of Terms Enrolled:	mean = 3.06; standard deviation = 1.801

**MSA 2003 Admittees Who Did Not Graduate:
Number of Terms Enrolled**



**MSA 2003 Admittees Who Graduated:
Number of Terms Enrolled**

