

Mathematics Baccalaureate Program: Data for Program Review

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I. Student Enrollment

Total Number of Majors Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Mathematics	161	179	173	197	243
Total	161	179	173	197	243

Total Number of Majors by Gender Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Men	60	74	67	73	82
Women	101	105	106	124	161
% Female	62.7%	58.7%	61.3%	62.9%	66.3%

Total Number of Majors by Race/Ethnicity Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Native American	0	0	0	0	0
Asian	2	3	5	6	6
Black	2	3	1	6	6
Hispanic	0	0	1	0	3
Cape Verdean	2	3	4	6	9
White	124	146	147	167	199
International	4	3	2	2	4
Unknown	27	21	13	10	16
Total Students of Color	6	9	11	18	24
% Students of Color	3.7%	5.0%	6.4%	9.1%	9.9%

Note: Includes double majors.

I. Student Enrollment (continued)

Total Number of Minors Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Mathematics	28	28	19	23	20

Total Number of Minors by Gender Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Men	16	18	14	15	12
Women	12	10	5	8	8
% Female	42.9%	35.7%	26.3%	34.8%	40.0%

Total Number of Minors by Race/Ethnicity Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Native American	0	0	0	0	0
Asian	0	0	0	0	0
Black	0	0	0	0	0
Hispanic	1	0	0	0	0
Cape Verdean	0	0	0	0	1
White	16	18	14	20	17
International	2	2	1	0	0
Unknown	9	8	4	3	2
Total Students of Color	1	0	0	0	1
% Students of Color	3.6%	0.0%	0.0%	0.0%	5.0%

Note: Includes double majors.

II. Class Size

Class Size Distribution, Enrollment and Credit Hours Generated

Fall 2005

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	8	10	15	18	16	67	29	0	1933	5810
Upper	1	3	3	4	0	11	24	0	269	786
Grad	2	0	0	0	0	2	5	0	9	27
Total	11	13	18	22	16	80	28	0	2204	6623

Spring 2006

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	5	8	17	9	16	55	29	0	1602	4837
Upper	1	6	3	1	0	11	20	1	229	685
Grad	1	1	0	0	0	2	11	0	22	66
Total	7	15	20	10	16	68	27	1	1853	5588

Fall 2006

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	6	13	58	4	2	83	24	0	1958	5890
Upper	1	5	3	2	0	11	21	1	227	679
Grad	2	0	0	0	0	2	6	0	12	36
Total	9	18	61	6	2	96	23	1	2197	6605

Spring 2007

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	14	19	46	3	0	82	20	0	1621	4881
Upper	1	8	2	2	0	13	20	0	262	786
Grad	2	0	0	0	0	2	6	1	13	37
Total	17	27	48	5	0	97	20	1	1896	5704

Notes: Individual Instruction includes internships, directed study, undergraduate research and student teaching.
Lower=100-200 level courses; Upper=300-400 level courses; Graduate=500 level courses.

II. Class Size (continued)

Class Size Distribution, Enrollment and Credit Hours Generated

Fall 2007

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	6	23	60	4	0	93	23	0	2116	6377
Upper	5	8	2	1	0	16	15	3	241	711
Grad	2	0	0	0	0	2	6	0	12	36
Total	13	31	62	5	0	111	21	3	2369	7124

Spring 2008

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	16	20	58	0	0	94	20	0	1854	5573
Upper	4	2	7	1	0	14	19	1	269	805
Grad	1	1	0	0	0	2	10	0	19	57
Total	21	23	65	1	0	110	19	1	2142	6435

Fall 2008

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	7	19	80	0	0	106	23	0	2409	7209
Upper	4	3	7	1	0	15	19	0	278	834
Grad	1	1	0	0	0	2	10	0	20	60
Total	12	23	87	1	0	123	22	0	2707	8103

Spring 2009

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	6	27	62	0	0	95	21	0	1999	6012
Upper	3	2	6	2	0	13	21	1	269	736
Grad	2	1	0	0	0	3	9	0	26	57
Total	11	30	68	2	0	111	21	1	2294	6805

Notes: Individual Instruction includes internships, directed study, undergraduate research and student teaching.
Lower=100-200 level courses; Upper=300-400 level courses; Graduate=500 level courses.

II. Class Size (continued)

Class Size Distribution, Enrollment and Credit Hours Generated

Fall 2009

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	4	20	90	3	0	117	23	0	2646	7511
Upper	1	4	7	0	0	12	21	1	254	762
Grad	1	1	0	0	0	2	8	0	16	48
Total	6	25	97	3	0	131	22	1	2916	8321

Spring 2010

Level	Class Size					Total Sections	Avg Section Size	Enrollment Individual Instruction	Total Enrollment	Credit Hours Generated
	1-10	11-20	21-30	31-40	41+					
Lower	8	23	63	2	0	96	21	0	2033	6054
Upper	2	3	5	3	0	13	22	3	284	727
Grad	1	1	0	0	0	2	11	0	22	66
Total	11	27	68	5	0	111	21	3	2339	6847

Notes: Individual Instruction includes internships, directed study, undergraduate research and student teaching.
 Lower=100-200 level courses; Upper=300-400 level courses; Graduate=500 level courses.

II. Class Size (continued)

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty

Fall 2005

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	49	16	65	
Upper	8	3	11	
Grad	2	0	2	
Total	59	19	78	

Spring 2006

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	38	14	52	1 Full-Time Faculty Member on Sabbatical Leave
Upper	10	1	11	
Grad	2	0	2	
Total	50	15	65	

Fall 2006

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	36	45	81	
Upper	11	0	11	
Grad	2	0	2	
Total	49	45	94	

Spring 2007

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	42	36	78	
Upper	13	0	13	
Grad	2	0	2	
Total	57	36	93	

*Number of full-time faculty members on sabbatical/leave will be noted in the "Comments" section.

II. Class Size (continued)

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty

Fall 2007

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	44	47	91	
Upper	16	0	16	
Grad	2	0	2	
Total	62	47	109	

Spring 2008

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	43	47	90	
Upper	13	1	14	
Grad	2	0	2	
Total	58	48	106	

Fall 2008

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	39	63	102	
Upper	14	1	15	
Grad	2	0	2	
Total	55	64	119	

Spring 2009

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	39	53	92	1 Full-Time Faculty Member on Sabbatical Leave
Upper	12	0	12	
Grad	2	0	2	
Total	53	53	106	

*Number of full-time faculty members on sabbatical/leave will be noted in the "Comments" section.

II. Class Size (continued)

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty

Fall 2009

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	41	65	106	1 Full-Time Faculty Member on Sabbatical Leave
Upper	11	2	13	
Grad	2	0	2	
Total	54	67	121	

Spring 2010

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	44	48	92	
Upper	12	1	13	
Grad	2	0	2	
Total	58	49	107	

*Number of full-time faculty members on sabbatical/leave will be noted in the "Comments" section.

III. Faculty

Number of Full-Time Faculty by Rank Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Professor	8	7	6	6	7
Associate Professor	4	2	5	5	4
Assistant Professor	2	3	3	3	5
Instructor	1	1	0	0	0
Total Full-Time Faculty	15	13	14	14	16

Number of Full-Time Faculty by Tenure Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Tenured	13	11	11	12	11
Not tenured	2	2	3	2	4
Not on tenure-track	0	0	0	0	1
% Tenured*	86.7%	84.6%	78.6%	85.7%	73.3%

* Of tenure-track faculty

III. Faculty (continued)

Number of Full-Time Faculty (Tenured or Tenure-Track) by Gender Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Men	12	11	10	10	10
Women	3	2	4	4	5
% Female	20.0%	15.4%	28.6%	28.6%	33.3%

Number of Full-Time Faculty (Tenured or Tenure-Track) by Race/Ethnicity Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Native American	0	0	0	0	0
Asian	2	2	2	2	2
Black	0	0	0	0	0
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	13	11	12	12	13
International	0	0	0	0	0
Unknown	0	0	0	0	0
Total Faculty of Color	2	2	2	2	2
% Faculty of Color	13.3%	15.4%	14.3%	14.3%	13.3%

Number of Full-Time Faculty (Tenured or Tenure Track) by Terminal Degree Fall 2005 – Fall 2009

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
With Terminal Degree	6	6	8	8	10
Without Terminal Degree	9	7	6	6	5
% with Terminal Degree	40.0%	46.2%	57.1%	57.1%	66.7%

IV. Student/Faculty Ratio

**Student FTE, Faculty FTE and Student/Faculty Ratio
Fall 2005 – Fall 2009**

	Student FTE			Faculty FTE			Student/ Faculty Ratio
	UG	GR	Total	Full-Time	Part-Time	Total	
Fall 2005	538.2	11.1	549.3	14.0	5.5	19.5	28:1
Fall 2006	525.6	9.1	534.7	12.0	9.6	21.6	25:1
Fall 2007	577.9	11.1	589.0	13.0	8.4	21.4	28:1
Fall 2008	629.7	10.1	639.8	12.6	15.2	27.8	23:1
Fall 2009	637.7	35.6	673.3	14.0	11.3	25.3	27:1

**Comparison of Student/Faculty Ratio
Fall 2005 – Fall 2009**

	Mathematics	School of Arts & Sciences	Bridgewater State University
Fall 2005	28:1	21:1	20:1
Fall 2006	25:1	20:1	19:1
Fall 2007	28:1	20:1	20:1
Fall 2008	23:1	19:1	19:1
Fall 2009	27:1	23:1	22:1

Note: FTE for undergraduate students = (total credit hours)/15; FTE for graduate students = (total credit hours)/12. Student/Faculty Ratio = (student FTE)/(faculty FTE). FTE for part-time faculty = (total credit hours)/15. Adjustments to full-time faculty FTE were made for alternative responsibilities.

V. Student Progress

Number of Baccalaureate Degree Recipients 2004/05 – 2008/09

	2004/05	2005/06	2006/07	2007/08	2008/09
Mathematics	35	29	32	31	28
Total	35	29	32	31	28

Number of Baccalaureate Degree Recipients by Gender 2004/05 – 2008/09

	2004/05	2005/06	2006/07	2007/08	2008/09
Men	8	11	13	9	15
Women	27	18	19	22	13
% Female	77.1%	62.1%	58.4%	71.0%	46.4%

Number of Baccalaureate Degree Recipients by Race/Ethnicity 2004/05 – 2008/09

	2004/05	2005/06	2006/07	2007/08	2008/09
Native American	0	0	0	0	0
Asian	0	0	1	0	0
Black	0	0	0	0	0
Hispanic	0	0	0	0	0
Cape Verdean	1	0	0	0	1
White	30	23	20	26	23
International	2	2	2	0	0
Unknown	2	4	9	5	4
Total Students of Color	1	0	1	0	1
% Students of Color	2.9%	0.0%	3.1%	0.0%	3.6%

Note: Includes double majors

V. Student Progress (continued)

Number of Baccalaureate Degree Recipients with Minor in Mathematics 2004/05 – 2008/09

	2004/05	2005/06	2006/07	2007/08	2008/09
Mathematics	18	23	18	14	18

Number of Baccalaureate Degree Recipients with Minor in Mathematics by Gender 2004/05 – 2008/09

	2004/05	2005/06	2006/07	2007/08	2008/09
Men	12	13	12	9	12
Women	6	10	6	5	6
% Female	33.3%	43.5%	33.3%	35.7%	33.3%

Number of Baccalaureate Degree Recipients with Minor in Mathematics by Race/Ethnicity 2004/05 – 2008/09

	2004/05	2005/06	2006/07	2007/08	2008/09
Native American	0	0	0	0	0
Asian	0	0	1	1	0
Black	1	0	1	0	0
Hispanic	0	1	0	0	1
Cape Verdean	1	0	0	0	0
White	14	17	12	12	16
International	0	2	1	0	0
Unknown	2	3	3	1	1
Total Students of Color	2	1	2	1	1
% Students of Color	11.1%	4.3%	11.1%	7.1%	5.6%

Note: Includes double minors

1-Year Persistence

Freshmen	Initial Cohort	Still Enrolled (the succeeding Fall)						Graduated (by the succeeding Summer)						Not Enrolled	
		Same Major		Different Major		Total		Same Major		Different Major		Total			
Fall 2006	39	27	69%	4	10%	31	79%	0	0%	0	0%	0	0%	8	21%
Fall 2007	33	18	55%	7	21%	25	76%	0	0%	0	0%	0	0%	8	24%
Fall 2008	50	32	64%	9	18%	41	82%	0	0%	0	0%	0	0%	9	18%
Sophomores	Initial Cohort	Still Enrolled (the succeeding Fall)						Graduated (by the succeeding Summer)						Not Enrolled	
		Same Major		Different Major		Total		Same Major		Different Major		Total			
Fall 2006	40	24	60%	13	33%	37	93%	0	0%	0	0%	0	0%	3	8%
Fall 2007	54	34	63%	15	28%	49	91%	0	0%	0	0%	0	0%	5	9%
Fall 2008	42	24	57%	10	24%	34	81%	0	0%	0	0%	0	0%	8	19%
Juniors	Initial Cohort	Still Enrolled (the succeeding Fall)						Graduated (by the succeeding Summer)						Not Enrolled	
		Same Major		Different Major		Total		Same Major		Different Major		Total			
Fall 2006	39	27	69%	8	21%	35	90%	1	3%	0	0%	1	3%	3	8%
Fall 2007	34	32	94%	2	6%	34	100%	0	0%	0	0%	0	0%	0	0%
Fall 2008	53	47	89%	3	6%	50	94%	1	2%	0	0%	1	2%	2	4%
Seniors	Initial Cohort	Still Enrolled (the succeeding Fall)						Graduated (by the succeeding Summer)						Not Enrolled	
		Same Major		Different Major		Total		Same Major		Different Major		Total			
Fall 2006	61	18	30%	0	0%	18	30%	25	41%	7	11%	32	52%	11	18%
Fall 2007	52	18	35%	0	0%	18	35%	27	52%	0	0%	27	52%	7	13%
Fall 2008	52	24	46%	0	0%	24	46%	25	48%	0	0%	25	48%	3	6%

5-YEAR PERSISTENCE

	Initial Cohort	Still Enrolled (Fall 2009)						Graduated (by Summer 2009)						Not Enrolled	
	Fall 2004	Same Major		Different Major		Total		Same Major		Different Major		Total			
Freshmen	30	1	3%	1	3%	2	7%	7	23%	8	27%	15	50%	13	43%
Sophomores	19	0	0%	0	0%	0	0%	12	63%	5	26%	17	89%	2	11%
Juniors	28	0	0%	0	0%	0	0%	19	68%	5	18%	24	86%	4	14%
Seniors	42	1	2%	0	0%	1	2%	32	76%	1	2%	33	79%	8	19%