

Biology Baccalaureate Program: Data for Program Review

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I. Student Enrollment

Total Number of Majors Fall 2001 - Fall 2005

	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
Biology	140	152	148	156	150
Biomedical/Molecular	NA	NA	2	16	30
Cell/Molecular	4	6	6	3	3
Environmental	15	19	16	16	15
Medical	26	34	28	13	13
Total	185	211	200	204	211

Total Number of Majors by Gender Fall 2001 – Fall 2005

	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
Men	61	61	59	75	64
Women	124	150	141	129	147
% Female	67.0%	71.1%	70.5%	63.2%	69.7%

Total Number of Majors by Race/Ethnicity Fall 2001 – Fall 2005

	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
Native American	1	1	1	0	1
Asian	1	3	3	2	2
Black	3	8	18	12	11
Hispanic	6	5	2	2	2
Cape Verdean	1	1	0	1	8
White	148	164	146	136	145
International	3	2	5	4	3
Unknown	22	27	25	47	39
Total Students of Color	12	18	24	17	24
% Students of Color	6.5%	8.5%	12.0%	8.3%	11.4%

Please note: Data includes double majors except for Fall 2004. Comparisons should be made with caution.

I. Student Enrollment (continued)

Total Number of Minors Fall 2001 – Fall 2005

	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
Biology	3	9	5	2	5

Total Number of Minors by Gender Fall 2001 – Fall 2005

	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
Men	0	1	1	0	2
Women	3	8	4	2	3
% Female	100%	88.9%	80.0%	100%	60.0%

Total Number of Minors by Race/Ethnicity Fall 2001 – Fall 2005

	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
Native American	0	0	0	0	0
Asian	0	0	0	0	0
Black	0	0	1	1	2
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	3	7	3	1	1
International	0	0	0	0	0
Unknown	0	2	1	0	2
Total Students of Color	0	0	1	1	2
% Students of Color	0%	0%	20.0%	50.0%	40.0%

Please note: Data includes double minors except for Fall 2004. Comparisons should be made with caution.

II. Class Size

Class Size Distribution, Enrollment and Credit Hours Generated Fall 2000

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	18	16	5	7	54	23	0	1234	2096
Upper	1	10	0	0	1	12	17	11	216	435
Grad	1	0	0	0	0	1	7	1	8	27
Total	10	28	16	5	8	67	21	12	1458	2558

Class Size Distribution, Enrollment and Credit Hours Generated Spring 2001

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	2	11	15	3	11	42	27	0	1129	2063
Upper	6	6	0	1	0	13	13	9	173	329
Grad	2	1	0	0	0	3	8	2	25	72
Total	10	18	15	4	11	58	23	11	1327	2464

Class Size Distribution, Enrollment and Credit Hours Generated Fall 2001

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	3	8	21	4	9	45	27	0	1200	2128
Upper	5	10	0	0	1	16	15	10	251	473
Grad	4	0	0	0	0	4	4	0	18	26
Total	12	18	21	4	10	65	22	10	1469	2627

Class Size Distribution, Enrollment and Credit Hours Generated Spring 2002

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	2	9	21	5	8	45	27	0	1214	2137
Upper	2	5	0	2	0	9	18	13	171	378
Grad	3	2	0	0	0	5	8	0	39	51
Total	7	16	21	7	8	59	24	13	1424	2566

Note: Individual Instruction includes internships, directed study and undergraduate research.

II. Class Size (continued)

Class Size Distribution, Enrollment and Credit Hours Generated Fall 2002

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	2	9	21	2	11	45	27	0	1235	2177
Upper	3	6	1	2	0	12	18	10	220	447
Grad	0	1	0	0	0	1	15	2	17	57
Total	5	16	22	4	11	58	25	12	1472	2681

Class Size Distribution, Enrollment and Credit Hours Generated Spring 2003

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	1	13	19	7	11	51	28	0	1421	2606
Upper	3	6	1	0	0	10	15	10	160	255
Grad	3	1	0	0	0	4	5	0	19	41
Total	7	20	20	7	11	65	24	10	1600	2902

Class Size Distribution, Enrollment and Credit Hours Generated Fall 2003

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	2	12	21	3	10	48	27	0	1279	2274
Upper	3	5	1	1	0	10	18	16	196	381
Grad	1	0	0	0	0	1	10	1	11	36
Total	6	17	22	4	10	59	25	17	1486	2691

Class Size Distribution, Enrollment and Credit Hours Generated Spring 2004

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	0	12	22	4	12	50	27	0	1368	2507
Upper	4	9	0	1	0	14	13	14	198	385
Grad	2	1	0	0	0	3	5	3	18	61
Total	6	22	22	5	12	67	23	17	1584	2953

Note: Individual Instruction includes internships, directed study and undergraduate research

II. Class Size (continued)

Class Size Distribution, Enrollment and Credit Hours Generated Fall 2004

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	1	12	26	2	11	52	26	0	1373	2308
Upper	1	12	1	1	0	15	15	13	237	441
Grad	3	0	0	0	0	3	8	0	23	55
Total	5	24	27	3	11	70	23	13	1633	2804

Class Size Distribution, Enrollment and Credit Hours Generated Spring 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	2	14	22	4	10	52	26	0	1332	2244
Upper	2	5	3	1	0	11	16	15	187	371
Grad	1	0	0	0	0	1	8	1	9	25
Total	5	19	25	5	10	64	24	16	1528	2640

Note: Individual Instruction includes internships, directed study and undergraduate research

II. Class Size (continued)

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Fall 2000

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	17	0	17	2 full-time faculty members on sabbatical/leave.
Upper	12	0	12	
Grad	1	0	1	
Total	30	0	30	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Spring 2001

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	12	2	14	2 full-time faculty members on sabbatical/leave.
Upper	9	1	10	
Grad	1	1	2	
Total	23	3	26	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Fall 2001

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	15	0	15	1 full-time faculty member on sabbatical/leave.
Upper	11	0	11	
Grad	1	0	1	
Total	27	0	27	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Spring 2002

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	14	1	15	
Upper	10	0	10	
Grad	1	0	1	
Total	25	1	26	

*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 2002

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	14	0	14	1 full-time faculty member on sabbatical/leave.
Upper	9	1	10	
Grad	1	0	1	
Total	24	1	25	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Spring 2003

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	18	0	18	
Upper	11	0	11	
Grad	1	0	1	
Total	30	0	30	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Fall 2003

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	16	0	16	
Upper	10	0	10	
Grad	1	0	1	
Total	27	0	27	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Spring 2004

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	17	1	18	
Upper	10	0	10	
Grad	2	0	2	
Total	29	1	30	

*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 2004

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	13	3	16	
Upper	16	0	16	
Grad	2	0	2	
Total	31	3	34	

Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Spring 2005

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	16	0	16	
Upper	10	0	10	
Grad	1	0	1	
Total	27	0	27	

*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 2000 – Fall 2004

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Professor	3	3	4	4	3
Associate Professor	3	2	1	2	4
Assistant Professor	4	5	5	4	2
Instructor	0	0	0	0	0
Total Full-Time Faculty	10	10	10	10	9

Number of Full-Time Faculty by Tenure Fall 2000 – Fall 2004

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Tenured	6	5	5	6	7
Not tenured	4	5	4	4	2
Not on tenure-track	0	0	1	0	0
% Tenured*	60.0%	50.0%	55.6%	60.0%	77.8%

* Of tenure-track faculty

III. Faculty (continued)

**Number of Full-Time Faculty (Tenured or Tenure-Track) by Gender
Fall 2000 – Fall 2004**

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Men	7	7	7	7	7
Women	3	3	2	3	2
% Female	30.0%	30.0%	22.2%	30.0%	22.2%

**Number of Full-Time Faculty (Tenured or Tenure-Track) by Race/Ethnicity
Fall 2000 – Fall 2004**

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Native American	0	0	0	0	0
Asian	1	1	1	1	1
Black	0	0	0	0	0
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	9	9	8	9	8
International	0	0	0	0	0
Unknown	0	0	0	0	0
Total Faculty of Color	1	1	1	1	1
% Faculty of Color	10.0%	10.0%	11.1%	10.0%	11.1%

**Number of Full-Time Faculty (Tenured or Tenure-Track) by Terminal Degree
Fall 2000 – Fall 2004**

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
With Terminal Degree	10	10	9	10	9
Without Terminal Degree	0	0	0	0	0
% with Terminal Degree	100%	100%	100%	100%	100%

IV. Student/Faculty Ratio

**Student FTE, Faculty FTE and Student/Faculty Ratio
Fall 2000 – Fall 2004**

	Student FTE			Faculty FTE			Student/ Faculty Ratio
	GR	UG	Total	Full- Time	Part- Time	Total	
Fall 2000	5.1	164.0	169.1	9.6	2.2	11.8	14.3
Fall 2001	3.1	169.1	172.2	8.9	2.9	11.8	14.6
Fall 2002	1.8	172.7	174.5	9.1	1.9	11.0	15.8
Fall 2003	4.4	173.0	177.4	8.9	1.4	10.3	17.2
Fall 2004	6.4	177.3	183.7	8.4	3.0	11.4	16.1

**Comparison of Student/Faculty Ratio
Fall 2000 – Fall 2004**

	Biology	School of Arts & Sciences	Bridgewater State College
Fall 2000	14.3	19.7	19.3
Fall 2001	14.6	19.9	19.1
Fall 2002	15.8	20.0	20.0
Fall 2003	17.2	20.7	20.6
Fall 2004	16.1	20.4	20.2

Notes:

Student/Faculty Ratio = (student FTE)/(faculty FTE).

FTE for undergraduate students = (total credit hours)/15; FTE for graduate students = (total credit hours)/12.

FTE for part-time faculty = (total credit hours)/15. Adjustments to full-time faculty FTE were made for alternative responsibilities, leaves of absences or sabbaticals.

V. Student Progress

Number of Baccalaureate Degree Recipients 2000/01 – 2004/05

	2000-01	2001-02	2002-03	2003-04	2004-05
Biology	18	12	14	10	10
Biomedical/Molecular	NA	NA	NA	3	7
Cell/Molecular	2	1	2	3	2
Environmental	7	3	7	3	6
Medical	12	13	16	12	9
Total	39	29	39	31	34

Number of Baccalaureate Degree Recipients by Gender 2000/01 – 2004/05

	2000-01	2001-02	2002-03	2003-04	2004-05
Men	17	12	4	12	7
Women	22	17	35	19	27
% Female	56.4%	58.6%	89.7%	61.3%	79.4%

Number of Baccalaureate Degree Recipients by Race/Ethnicity 2000/01 – 2004/05

	2000-01	2001-02	2002-03	2003-04	2004-05
Native American	0	0	0	0	0
Asian	0	1	1	0	0
Black	0	1	0	0	1
Hispanic	0	0	0	1	0
Cape Verdean	0	0	0	0	0
White	34	22	32	27	27
International	1	2	0	0	2
Unknown	4	3	6	3	4
Total Students of Color	0	2	1	1	1
% Students of Color	0%	6.9%	2.6%	3.2%	2.9%

Note: Includes double majors

V. Student Progress (continued)

**Number of Baccalaureate Degree Recipients with Minor in
Biology
2000/01 – 2004/05**

	2000-01	2001-02	2002-03	2003-04	2004-05
Biology	1	1	1	1	3

**Number of Baccalaureate Degree Recipients with Minor in
Biology by Gender
2000/01 – 2004/05**

	2000-01	2001-02	2002-03	2003-04	2004-05
Men	0	0	0	0	2
Women	1	1	1	1	1
% Female	100%	100%	100%	100%	33.3%

**Number of Baccalaureate Degree Recipients with Minor in
Biology by Race/Ethnicity
2000/01 – 2004/05**

	2000-01	2001-02	2002-03	2003-04	2004-05
Native American	0	0	0	0	0
Asian	0	0	0	0	0
Black	0	0	0	0	0
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	1	1	1	0	2
International	0	0	0	1	0
Unknown	0	0	0	0	1
Total Students of Color	0	0	0	0	0
% Students of Color	0%	0%	0%	0%	0%

Note: Includes double minors

1-Year Student 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 2002	44	19	43%	10	23%	29	66%	0	0%	0	0%	0	0%	15	34%
Fall 2003	41	20	49%	8	20%	28	68%	0	0%	0	0%	0	0%	13	32%
Fall 2004	46	22	48%	7	15%	29	63%	0	0%	0	0%	0	0%	17	37%

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 2002	55	31	56%	11	20%	42	76%	0	0%	0	0%	0	0%	13	24%
Fall 2003	45	28	62%	9	20%	37	82%	0	0%	0	0%	0	0%	8	18%
Fall 2004	45	31	69%	3	7%	34	76%	0	0%	0	0%	0	0%	11	24%

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 2002	45	35	78%	0	0%	35	78%	0	0%	0	0%	0	0%	10	22%
Fall 2003	48	33	69%	5	10%	38	79%	0	0%	0	0%	0	0%	10	21%
Fall 2004	44	34	77%	6	14%	40	91%	1	2%	0	0%	1	2%	3	7%

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 2002	67	21	31%	0	0%	21	31%	35	52%	0	0%	35	52%	11	16%
Fall 2003	66	29	44%	3	5%	32	48%	27	41%	0	0%	27	41%	7	11%
Fall 2004	69	23	33%	2	3%	25	36%	29	42%	1	1%	30	43%	14	20%

5-Year Student Persistence

	Initial Cohort	Still Enrolled (Fall 2005)						Graduated (by Summer 2005)						Not Enrolled	
	Fall 2000	Same Major		Different Major		Total		Same Major		Different Major		Total			
Freshman	52	3	6%	5	10%	8	15%	4	8%	10	19%	14	27%	30	58%
Sophomore	45	0	0%	2	4%	2	4%	16	36%	7	16%	23	51%	20	44%
Junior	57	1	2%	0	0%	1	2%	32	56%	7	12%	39	68%	17	30%
Senior	68	0	0%	0	0%	0	0%	56	82%	2	3%	58	85%	10	15%