

Earth Sciences Baccalaureate Program: Data for Program Review

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I. Student Enrollment

Total Number of Majors Fall 2006 – Fall 2010

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Earth Sciences- BA	38	40	39	50	51
Earth Sciences- BS	19	10	13	20	22
Environmental Geosciences	3	6	9	15	18
Geology	11	4	6	10	15
Total	71	60	67	95	106

Total Number of Majors by Gender Fall 2006 – Fall 2010

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Men	17	10	14	29	40
Women	54	50	53	66	66
% Female	76.1%	16.7%	79.1%	69.5%	62.3%

Total Number of Majors by Race/Ethnicity Fall 2006 – Fall 2010

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
American Indian	1	0	0	0	0
Asian	1	1	1	0	1
Black or African-American	1	0	1	4	4
Hispanic/Latino	1	1	1	1	3
Cape Verdean	0	0	0	2	2
Native Hawaiian	0	0	0	0	0
Two or More Races	0	0	0	0	1
White	56	52	60	84	95
International	0	0	0	0	0
Unknown	11	6	4	4	0
Total Students of Color	4	2	3	7	11
% Students of Color	5.6%	3.3%	4.5%	7.4%	10.4%

Note: Includes double majors.

In fall 2010 race/ethnicity categories were modified according to new federal guidelines.

I. Student Enrollment (continued)

**Total Number of Minors
Fall 2006 – Fall 2010**

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Earth Sciences	1	1	1	4	6

**Total Number of Minors by Gender
Fall 2006 – Fall 2010**

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Men	0	0	0	1	1
Women	1	1	1	3	5
% Female	100%	100%	100%	25.0%	83.3%

**Total Number of Minors by Race/Ethnicity
Fall 2006 – Fall 2010**

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
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
Native Hawaiian	0	0	0	0	0
Two or More Races	0	0	0	0	0
White	1	1	1	2	3
International	0	0	0	1	2
Unknown	0	0	0	1	1
Total Students of Color	0	0	0	0	0
% Students of Color	0.0%	0.0%	0.0%	0.0%	0.0%

Note: Includes double majors.

In fall 2010 race/ethnicity categories were modified according to new federal guidelines.

II. Class Size

Class Size Distribution, Enrollment and Credit Hours Generated

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	0	10	2	3	4	19	27	0	511	1248
Upper	6	0	0	0	0	6	7	4	48	85
Grad	0	0	0	0	0	0	0	0	0	0
Total	6	10	2	3	4	25	22	4	559	1333

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	4	10	4	2	4	24	23	0	550	1281
Upper	2	2	0	0	0	4	7	7	35	49
Grad	0	0	0	0	0	0	0	0	0	0
Total	6	12	4	2	4	28	21	7	585	1330

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	2	9	2	3	5	21	26	0	550	1450
Upper	6	0	0	0	0	6	5	1	29	52
Grad	0	0	0	0	0	0	0	0	0	0
Total	8	9	2	3	5	27	21	1	579	1472

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	3	7	5	5	1	21	23	0	473	1183
Upper	9	0	0	0	0	9	6	3	56	128
Grad	0	0	0	0	0	0	0	0	0	0
Total	12	7	5	5	1	30	18	3	529	1311

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 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	0	11	2	7	1	21	24	0	503	1285
Upper	2	2	0	0	0	4	9	4	38	72
Grad	0	0	0	0	0	0	0	0	0	0
Total	2	13	2	7	1	25	21	4	541	1357

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	0	9	2	8	1	20	28	0	552	1408
Upper	2	4	0	0	0	6	11	4	68	132
Grad	0	0	0	0	0	0	0	0	0	0
Total	2	13	2	8	1	26	24	4	620	1540

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	0	12	3	5	0	20	22	0	449	1119
Upper	2	3	0	0	0	5	10	0	52	116
Grad	0	0	0	0	0	0	0	0	0	0
Total	2	15	3	5	0	25	20	0	501	1235

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	0	8	3	4	1	16	25	0	407	981
Upper	1	7	0	0	0	8	13	0	104	228
Grad	0	0	0	0	0	0	0	0	0	0
Total	1	15	3	4	1	24	21	0	511	1209

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 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	0	11	4	4	1	20	24	0	473	1169
Upper	0	4	0	0	0	4	14	3	57	111
Grad	0	0	0	0	0	0	0	0	0	0
Total	0	15	4	4	1	24	22	0	530	1280

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 2006

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	9	4	13	
Upper	5	0	5	
Grad	0	0	0	
Total	14	4	18	

Spring 2007

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	9	6	15	
Upper	2	0	2	
Grad	0	0	0	
Total	11	6	17	

Fall 2007

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	5	4	9	
Upper	1	0	1	
Grad	0	0	0	
Total	6	4	10	

Spring 2008

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	2	6	8	
Upper	3	0	3	
Grad	0	0	0	
Total	5	6	11	

*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 2008

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	2	7	9	1 Full-Time Faculty Member on Sabbatical Leave
Upper	0	0	0	
Grad	0	0	0	
Total	2	7	9	

Spring 2009

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	6	3	9	
Upper	0	0	0	
Grad	0	0	0	
Total	6	3	9	

Fall 2009

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	5	2	7	
Upper	1	0	1	
Grad	0	0	0	
Total	6	2	8	

Spring 2010

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	4	1	5	
Upper	1	1	2	
Grad	0	0	0	
Total	5	2	7	

*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 2010

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	5	2	7	
Upper	0	0	0	
Grad	0	0	0	
Total	5	2	7	

*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 2006 – Fall 2010

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Professor	2	3	2	2	2
Associate Professor	1	2	2	2	2
Assistant Professor	2	0	0	1	0
Instructor	0	0	1	0	1
Total Full-Time Faculty	5	5	5	5	5

Number of Full-Time Faculty by Tenure Fall 2006 – Fall 2010

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Tenured	3	5	4	4	4
Not tenured	2	0	0	1	0
Not on tenure-track	0	0	1	0	1
% Tenured*	60.0%	100%	100%	80.0%	100%

* Of tenure-track faculty

III. Faculty (continued)

**Number of Full-Time Faculty (Tenured or Tenure-Track) by Gender
Fall 2006 – Fall 2010**

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Men	5	5	4	4	4
Women	0	0	0	1	0
% Female	0.0%	0.0%	0.0%	80.0%	0.0%

**Number of Full-Time Faculty (Tenured or Tenure-Track) by Race/Ethnicity
Fall 2006 – Fall 2010**

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
American Indian	0	0	0	0	0
Asian	0	0	0	0	0
Black or African-American	0	0	0	0	0
Hispanic/Latino	0	0	0	0	1
Cape Verdean	0	0	0	0	0
Native Hawaiian	0	0	0	0	0
Two or More Races	0	0	0	0	0
White	5	5	4	5	3
International	0	0	0	0	0
Unknown	0	0	0	0	0
Total Faculty of Color	0	0	0	0	1
% Faculty of Color	0.0%	0.0%	0.0%	0.0%	25.0%

Note: In fall 2010 race/ethnicity categories were modified according to new federal guidelines.

**Number of Full-Time Faculty (Tenured or Tenure Track) by Terminal Degree
Fall 2006 – Fall 2010**

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
With Terminal Degree	5	5	4	5	4
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 2006 – Fall 2010**

	Student FTE			Faculty FTE			Student/ Faculty Ratio
	UG	GR	Total	Full-Time	Part-Time	Total	
Fall 2006	93.5	1.0	94.5	4.4	1.2	5.6	17:1
Fall 2007	98.6	0.0	98.6	4.6	1.1	5.7	17:1
Fall 2008	90.3	0.6	90.9	4.6	1.0	5.6	16:1
Fall 2009	87.1	0.0	87.1	4.8	0.6	5.4	16:1
Fall 2010	90.7	0.3	90.9	3.8	0.8	4.6	20:1

**Comparison of Student/Faculty Ratio
Fall 2006 – Fall 2010**

	Earth Sciences	College of Science & Mathematics	Bridgewater State University
Fall 2006	17:1	19:1	20:1
Fall 2007	17:1	21:1	20:1
Fall 2008	16:1	19:1	19:1
Fall 2009	16:1	23:1	23:1
Fall 2010	20:1	24:1	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 and Sabbatical/ Leaves of absence.

V. Student Progress

Number of Baccalaureate Degree Recipients 2005/06 – 2009/10

	2005/06	2006/07	2007/08	2008/09	2009/10
Earth Sciences- BA	10	4	5	4	4
Earth Sciences- BS	0	3	3	8	9
Environmental Geosciences	1	0	0	2	3
Geology	0	5	2	2	2
Total	11	12	10	16	18

Number of Baccalaureate Degree Recipients by Gender 2005/06 – 2009/10

	2005/06	2006/07	2007/08	2008/09	2009/10
Men	2	4	2	2	3
Women	9	8	8	14	15
% Female	81.8%	66.7%	80.0%	87.5%	83.3%

Number of Baccalaureate Degree Recipients by Race/Ethnicity 2005/06 – 2009/10

	2005/06	2006/07	2007/08	2008/09	2009/10
American Indian	0	0	0	0	0
Asian	0	0	0	1	0
Black or African-American	0	0	1	0	1
Hispanic/Latino	0	0	0	0	1
Cape Verdean	0	0	0	0	0
Native Hawaiian	0	0	0	0	0
Two or More Races	0	0	0	0	0
White	11	7	7	12	16
International	0	0	0	0	0
Unknown	0	5	2	3	0
Total Students of Color	0	12	1	1	2
% Students of Color	0.0%	0.0%	10.0%	6.3%	11.1%

Note: Includes double majors

In fall 2010 race/ethnicity categories were modified according to new federal guidelines.

V. Student Progress (continued)

**Number of Baccalaureate Degree Recipients with Minor in Earth Sciences
2005/06 – 2009/10**

	2005/06	2006/07	2007/08	2008/09	2009/10
Earth Sciences	0	0	0	0	0

**Number of Baccalaureate Degree Recipients with Minor in Earth Sciences
by Gender
2005/06 – 2009/10**

	2005/06	2006/07	2007/08	2008/09	2009/10
Men	0	0	0	0	0
Women	0	0	0	0	0
% Female	%	0.0%	0.0%	0.0%	0.0%

**Number of Baccalaureate Degree Recipients with Minor in Earth Sciences
by Race/Ethnicity
2005/06 – 2009/10**

	2005/06	2006/07	2007/08	2008/09	2009/10
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
Native Hawaiian	0	0	0	0	0
Two or More Races	0	0	0	0	0
White	0	0	0	0	0
International	0	0	0	0	0
Unknown	0	0	0	0	0
Total Students of Color	0	0	0	0	0
% Students of Color	0.0%	0.0%	0.0%	0.0%	0.0%

Note: Includes double minors
In fall 2010 race/ethnicity categories were modified according to new federal guidelines.

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 2007	8	3	38%	2	25%	5	63%	0	0%	0	0%	0	0%	3	38%
Fall 2008	11	2	18%	4	36%	6	55%	0	0%	0	0%	0	0%	5	45%
Fall 2009	14	9	64%	2	14%	11	79%	0	0%	0	0%	0	0%	3	21%
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 2007	9	7	78%	1	11%	8	89%	0	0%	0	0%	0	0%	1	11%
Fall 2008	14	8	57%	4	29%	12	86%	0	0%	0	0%	0	0%	2	14%
Fall 2009	22	13	59%	5	23%	18	82%	0	0%	0	0%	0	0%	4	18%
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 2007	23	20	87%	1	4%	21	91%	1	4%	0	0%	1	4%	1	4%
Fall 2008	12	12	100%	0	0%	12	100%	0	0%	0	0%	0	0%	0	0%
Fall 2009	29	22	76%	2	7%	24	83%	1	3%	0	0%	1	3%	4	14%
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 2007	20	9	45%	0	0%	9	45%	8	40%	1	5%	9	45%	2	10%
Fall 2008	30	13	43%	0	0%	13	43%	15	50%	0	0%	15	50%	2	7%
Fall 2009	30	10	33%	0	0%	10	33%	17	57%	0	0%	17	57%	3	10%

5-Year Student Persistence

	Initial Cohort	Still Enrolled (Fall 2010)						Graduated (by Summer 2010)						Not Enrolled	
	Fall 2005	Same Major		Different Major		Total		Same Major		Different Major		Total			
Freshmen	8	0	0%	1	13%	1	13%	1	13%	3	38%	4	50%	3	38%
Sophomores	9	0	0%	0	0%	0	0%	1	11%	5	56%	6	67%	3	33%
Juniors	9	1	11%	0	0%	1	11%	7	78%	1	11%	8	89%	0	0%
Seniors	23	0	0%	0	0%	0	0%	17	74%	3	13%	20	87%	3	13%