

## Chemistry Baccalaureate Program: Data for Program Review

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## I. Student Enrollment

### Total Number of Majors Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Chemistry	31	28	31	41	23
Biochemistry	21	24	17	27	23
Professional Chemistry	5	11	9	8	19
Environmental Chemistry	1	3	2	4	2
<b>Total</b>	<b>58</b>	<b>66</b>	<b>59</b>	<b>80</b>	<b>67</b>

### Total Number of Majors by Gender Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Men	21	36	30	41	36
Women	37	30	29	39	31
<b>% Female</b>	<b>63.8%</b>	<b>45.5%</b>	<b>49.2%</b>	<b>48.8%</b>	<b>46.3%</b>

### Total Number of Majors by Race/Ethnicity Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Native American	0	0	0	0	0
Asian	4	5	3	4	2
Black	3	4	1	3	1
Hispanic	1	2	1	2	2
Cape Verdean	0	0	1	2	2
White	41	42	36	55	51
International	3	4	3	0	1
Unknown	6	9	14	14	8
<b>Total Students of Color</b>	<b>8</b>	<b>11</b>	<b>6</b>	<b>11</b>	<b>7</b>
<b>% Students of Color</b>	<b>13.8%</b>	<b>16.7%</b>	<b>10.2%</b>	<b>13.8%</b>	<b>10.4%</b>

*Note: Includes double majors except for Fall 2004. Comparisons should be made with caution.*

## I. Student Enrollment (continued)

### Total Number of Minors Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Chemistry	12	16	5	14	14

### Total Number of Minors by Gender Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Men	1	1	2	4	5
Women	11	15	3	10	9
<b>% Female</b>	<b>91.7%</b>	<b>93.8%</b>	<b>60.0%</b>	<b>71.4%</b>	<b>64.3%</b>

### Total Number of Minors by Race/Ethnicity Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Native American	0	0	0	0	0
Asian	0	0	0	0	0
Black	0	0	0	0	0
Hispanic	0	0	1	0	0
Cape Verdean	0	0	0	0	0
White	12	15	2	9	4
International	0	1	1	1	0
Unknown	0	0	1	4	10
<b>Total Students of Color</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>% Students of Color</b>	<b>0%</b>	<b>0%</b>	<b>20.0%</b>	<b>0%</b>	<b>0%</b>

*Note: Includes double majors except for Fall 2004. Comparisons should be made with caution..*

## II. Class Size

### 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	13	2	4	1	22	19	0	420	1015
Upper	2	8	1	0	1	12	18	10	220	441
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	4	21	3	4	2	34	19	10	640	1456

### 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	10	2	3	0	16	19	0	301	731
Upper	7	4	0	0	1	12	13	11	162	360
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	8	14	2	3	1	28	16	11	463	1091

### 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	0	13	3	3	2	21	22	0	469	1103
Upper	3	7	2	1	0	13	16	17	219	447
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	3	20	5	4	2	34	20	17	688	1550

### 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	3	9	2	3	1	18	19	0	342	839
Upper	7	4	0	0	1	12	12	15	162	370
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	10	13	2	3	2	30	16	15	504	1209

Notes: Individual Instruction includes internships, directed study and undergraduate research.  
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 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	2	13	4	4	0	23	19	0	447	1041
Upper	3	7	4	0	0	14	17	11	243	477
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>5</b>	<b>20</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>37</b>	<b>18</b>	<b>11</b>	<b>690</b>	<b>1518</b>

### 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	5	8	3	3	0	19	18	0	343	792
Upper	7	5	0	0	1	13	12	18	174	355
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>12</b>	<b>13</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>32</b>	<b>16</b>	<b>18</b>	<b>517</b>	<b>1147</b>

### 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	5	12	2	5	0	24	19	0	457	1089
Upper	2	11	2	0	1	16	17	7	277	537
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>7</b>	<b>23</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>40</b>	<b>18</b>	<b>7</b>	<b>734</b>	<b>1626</b>

### Class Size Distribution, Enrollment and Credit Hours Generated 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	3	8	2	3	1	17	20	0	332	761
Upper	5	8	3	0	0	16	14	12	242	504
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>8</b>	<b>16</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>33</b>	<b>17</b>	<b>12</b>	<b>574</b>	<b>1265</b>

Notes: Individual Instruction includes internships, directed study and undergraduate research.  
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 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	3	12	3	5	0	23	19	0	438	1038
Upper	7	11	1	1	0	20	13	11	271	527
Grad	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	10	23	4	6	0	43	16	11	709	1565

Notes: Individual Instruction includes internships, directed study and undergraduate research.  
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 2002

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

### 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	5	2	7	
Upper	7	0	7	
Grad	-	-	-	
<b>Total</b>	<b>12</b>	<b>2</b>	<b>14</b>	

### 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	3	3	6	
Upper	6	0	6	
Grad	-	-	-	
<b>Total</b>	<b>9</b>	<b>3</b>	<b>12</b>	

### 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	5	2	7	
Upper	10	0	10	
Grad	-	-	-	
<b>Total</b>	<b>15</b>	<b>2</b>	<b>17</b>	

\*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	3	3	6	
Upper	1	0	1	
Grad	-	-	-	
<b>Total</b>	<b>4</b>	<b>3</b>	<b>7</b>	

### 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	3	3	6	
Upper	4	0	4	
Grad	-	-	-	
<b>Total</b>	<b>7</b>	<b>3</b>	<b>10</b>	

### 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	3	4	7	1 full-time faculty member on sabbatical/leave.
Upper	1	0	1	
Grad	-	-	-	
<b>Total</b>	<b>4</b>	<b>4</b>	<b>8</b>	

### Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty Spring 2006

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	1	3	4	1 full-time faculty member on sabbatical/leave.
Upper	5	0	5	
Grad	-	-	-	
<b>Total</b>	<b>6</b>	<b>3</b>	<b>9</b>	

\*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 2006

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	1	5	6	2 full-time faculty members on sabbatical/leave.
Upper	4	0	4	
Grad	-	-	-	
<b>Total</b>	<b>5</b>	<b>5</b>	<b>10</b>	

\*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 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Professor	1	1	1	1	1
Associate Professor	2	2	2	2	2
Assistant Professor	2	2	2	3	4
Instructor	0	0	0	0	0
<b>Total Full-Time Faculty</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>7</b>

#### Number of Full-Time Faculty by Tenure Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006
Tenured	3	3	4	3	3
Not tenured	2	2	1	3	3
Not on tenure-track	0	0	0	0	1
<b>% Tenured*</b>	<b>60.0%</b>	<b>60.0%</b>	<b>80.0%</b>	<b>50.0%</b>	<b>50.0%</b>

\* Of tenure-track faculty

### III. Faculty (continued)

#### Number of Full-Time Faculty (Tenured or Tenure-Track) by Gender Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2005
Men	4	4	4	5	5
Women	1	1	1	1	1
<b>% Female</b>	<b>20.0%</b>	<b>20.0%</b>	<b>20.0%</b>	<b>16.7%</b>	<b>16.7%</b>

#### Number of Full-Time Faculty (Tenured or Tenure-Track) by Race/Ethnicity Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2005
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	3	3	3	4	4
International	0	0	0	0	0
Unknown	0	0	0	0	0
<b>Total Faculty of Color</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>% Faculty of Color</b>	<b>40.0%</b>	<b>40.0%</b>	<b>40.0%</b>	<b>33.3%</b>	<b>33.3%</b>

#### Number of Full-Time Faculty (Tenured or Tenure Track) by Terminal Degree Fall 2002 – Fall 2006

	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2005
With Terminal Degree	5	5	5	6	6
Without Terminal Degree	0	0	0	0	0
<b>% with Terminal Degree</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

## IV. Student/Faculty Ratio

### Student FTE, Faculty FTE and Student/Faculty Ratio Fall 2002 – Fall 2006

	Student FTE			Faculty FTE			Student/ Faculty Ratio
	GR	UG	Total	Full- Time	Part- Time	Total	
Fall 2002	3.5	93.1	96.6	4.6	2.3	6.9	14.0
Fall 2003	3.2	99.1	102.3	4.6	2.2	6.8	15.0
Fall 2004	2.0	98.4	100.4	4.5	3.1	7.6	13.2
Fall 2005	4.6	104.7	109.3	5.8	1.1	6.9	15.9
Fall 2006	5.3	100.1	105.4	6.7	2.9	9.6	10.9

### Comparison of Student/Faculty Ratio Fall 2002 – Fall 2006

	Chemistry	School of Arts & Sciences	Bridgewater State College
Fall 2002	14.0	20.0	20.0
Fall 2003	15.0	20.7	20.3
Fall 2004	13.2	20.4	20.3
Fall 2005	15.9	20.7	19.6
Fall 2006	10.9	19.5	19.7

*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, leaves of absences or sabbaticals..*

## V. Student Progress

### Number of Baccalaureate Degree Recipients 2001/02 – 2005/06

	2001/02	2002/03	2003/04	2004/05	2005/06
Chemistry	4	3	1	1	2
Biochemistry	5	4	7	2	10
Professional Chemistry	3	2	4	3	2
Environmental Chemistry	0	0	2	1	2
<b>Total</b>	<b>12</b>	<b>9</b>	<b>14</b>	<b>7</b>	<b>16</b>

### Number of Baccalaureate Degree Recipients by Gender 2001/02 – 2005/06

	2001/02	2002/03	2003/04	2004/05	2005/06
Men	8	2	6	3	9
Women	4	7	8	4	7
<b>% Female</b>	<b>33.3%</b>	<b>77.8%</b>	<b>57.1%</b>	<b>57.1%</b>	<b>43.8%</b>

### Number of Baccalaureate Degree Recipients by Race/Ethnicity 2001/02 – 2005/06

	2001/02	2002/03	2003/04	2004/05	2005/06
Native American	0	0	0	0	0
Asian	1	1	0	0	2
Black	0	0	1	0	1
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	9	7	10	4	12
International	0	0	1	1	0
Unknown	2	1	2	2	1
<b>Total Students of Color</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>
<b>% Students of Color</b>	<b>8.3%</b>	<b>14.3%</b>	<b>7.1%</b>	<b>0%</b>	<b>18.8%</b>

*Note: Includes double majors*

## V. Student Progress (continued)

### Number of Baccalaureate Degree Recipients with Minor in Chemistry 2001/02 – 2005/06

	2001/02	2002/03	2003/04	2004/05	2005/06
Chemistry	9	7	13	12	12

### Number of Baccalaureate Degree Recipients with Minor in Chemistry by Gender 2001/02 – 2005/06

	2001/02	2002/03	2003/04	2004/05	2005/06
Men	3	0	3	3	5
Women	6	7	10	9	7
<b>% Female</b>	<b>66.7%</b>	<b>100%</b>	<b>76.9%</b>	<b>75.0%</b>	<b>58.3%</b>

### Number of Baccalaureate Degree Recipients with Minor in Chemistry by Race/Ethnicity 2001/02 – 2005/06

	2001/02	2002/03	2003/04	2004/05	2005/06
Native American	0	0	0	0	0
Asian	0	0	0	0	0
Black	0	0	0	0	1
Hispanic	0	0	1	1	0
Cape Verdean	0	0	0	0	0
White	8	6	12	9	8
International	1	0	0	2	2
Unknown	0	1	0	0	1
<b>Total Students of Color</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>% Students of Color</b>	<b>0%</b>	<b>0%</b>	<b>7.7%</b>	<b>8.3%</b>	<b>8.3%</b>

*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 2003	14	7	50%	2	14%	9	64%	0	0%	0	0%	0	0%	5	36%
Fall 2004	9	5	56%	2	22%	7	78%	0	0%	0	0%	0	0%	2	22%
Fall 2005	17	11	65%	2	12%	13	76%	0	0%	0	0%	0	0%	4	24%

#### 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 2003	20	14	70%	4	20%	18	90%	0	0%	0	0%	0	0%	2	10%
Fall 2004	12	11	92%	0	0%	11	92%	0	0%	0	0%	0	0%	1	8%
Fall 2005	15	10	67%	0	0%	10	67%	0	0%	0	0%	0	0%	5	33%

#### 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 2003	10	9	90%	1	10%	10	100%	0	0%	0	0%	0	0%	0	0%
Fall 2004	22	17	77%	2	9%	19	86%	0	0%	0	0%	0	0%	3	14%
Fall 2005	15	8	53%	3	20%	11	73%	0	0%	0	0%	0	0%	4	27%

#### 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 2003	22	7	32%	1	5%	8	36%	13	59%	0	0%	13	59%	1	5%
Fall 2004	16	5	31%	0	0%	5	31%	6	38%	1	6%	7	44%	4	25%
Fall 2005	30	11	37%	2	7%	13	43%	14	47%	1	3%	15	50%	2	7%

### 5-Year Student Persistence

	Initial Cohort	Still Enrolled (Fall 2006)						Graduated (by Summer 2006)						Not Enrolled	
	Fall 2001	Same Major		Different Major		Total		Same Major		Different Major		Total			
Freshman	9	0	0%	0	0%	0	0%	1	11%	0	0%	1	11%	8	89%
Sophomore	11	1	9%	0	0%	1	9%	5	45%	4	36%	9	82%	1	9%
Junior	13	0	0%	0	0%	0	0%	8	62%	2	15%	10	77%	3	23%
Senior	15	0	0%	0	0%	0	0%	13	87%	1	7%	14	93%	1	7%