

## Physics Baccalaureate Program: Data for Program Review

<b>I.</b>	<b><u>Student Enrollment</u></b>	<b>2</b>
	Total Number of Majors by Gender and Race/Ethnicity	2
	Total Number of Minors by Gender and Race/Ethnicity	3
<b>II.</b>	<b><u>Class Size</u></b>	<b>4</b>
	Class Size Distribution	4
	Enrollment	4
	Credit Hours Generated	4
	Number of Three-Credit Course Sections Taught by Full-Time and Part-Time Faculty	7
<b>III.</b>	<b><u>Faculty</u></b>	<b>10</b>
	Number of Full-Time Faculty by Rank	10
	Number of Full-Time Faculty by Tenure	10
	Number of Full-Time Faculty (Tenured or Tenure-Track) by Gender, Race/Ethnicity and Terminal Degree	11
<b>IV.</b>	<b><u>Student/Faculty Ratio</u></b>	<b>12</b>
	Student FTE	12
	Faculty FTE	12
	Student/Faculty Ratio	12
	Comparison of Student/Faculty Ratio	12
<b>V.</b>	<b><u>Student Progress</u></b>	<b>13</b>
	Number of Baccalaureate Degree Recipients by Gender and Race/Ethnicity	13
	Baccalaureate Degree Recipients with Minors by Gender and Race/Ethnicity	14
	One-Year Student Persistence	15
	Five-Year Student Persistence	16

## I. Student Enrollment

### Total Number of Majors Fall 2000 - Fall 2004

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Physics	23	28	23	28	23
Professional Physics	NA	NA	1	1	2
<b>Total</b>	<b>23</b>	<b>28</b>	<b>24</b>	<b>29</b>	<b>25</b>

### Total Number of Majors by Gender Fall 2000 – Fall 2004

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Men	20	24	17	25	22
Women	3	4	7	4	3
<b>% Female</b>	<b>13.0%</b>	<b>14.3%</b>	<b>29.2%</b>	<b>13.8%</b>	<b>12.0%</b>

### Total Number of Majors 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	0	0	0	1	0
Black	0	0	0	0	0
Hispanic	1	0	1	1	0
Cape Verdean	0	0	0	1	0
White	21	25	19	21	17
International	1	2	2	3	1
Unknown	0	1	2	2	7
<b>Total Students of Color</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>
<b>% Students of Color</b>	<b>4.3%</b>	<b>0%</b>	<b>4.2%</b>	<b>10.3%</b>	<b>0%</b>

Please note: Fall 2000 through Fall 2003 includes doubles majors; Fall 2004 does not include double majors.

**I. Student Enrollment (continued)**

**Total Number of Minors  
Fall 2000 – Fall 2004**

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Physics	3	3	7	4	0

**Total Number of Minors by Gender  
Fall 2000 – Fall 2004**

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Men	1	2	6	4	0
Women	2	1	1	0	0
<b>% Female</b>	<b>66.7%</b>	<b>33.3%</b>	<b>14.3%</b>	<b>0%</b>	<b>0%</b>

**Total Number of Minors 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	0	0	1	0	0
Black	0	0	0	0	0
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	3	3	6	4	0
International	0	0	0	0	0
Unknown	0	0	0	0	0
<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>14.3%</b>	<b>0%</b>	<b>0%</b>

Please note: Fall 2000 through Fall 2003 includes doubles minors; Fall 2004 does not include double minors.

## 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	1	13	5	1	0	20	19	0	376	649
Upper	3	2	0	0	0	5	8	2	44	108
Grad	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>15</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>25</b>	<b>17</b>	<b>2</b>	<b>420</b>	<b>757</b>

### 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	6	8	4	0	0	18	17	0	299	578
Upper	5	0	0	0	0	5	7	2	35	96
Grad	0	0	1	0	0	1	23	0	23	69
<b>Total</b>	<b>11</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>15</b>	<b>2</b>	<b>357</b>	<b>743</b>

### 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	1	10	5	2	1	19	22	0	417	769
Upper	2	3	0	0	0	5	13	2	65	159
Grad	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3</b>	<b>13</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>24</b>	<b>20</b>	<b>2</b>	<b>482</b>	<b>928</b>

### 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	6	7	2	1	0	16	15	0	245	483
Upper	4	0	0	0	0	4	7	1	27	66
Grad	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>20</b>	<b>14</b>	<b>1</b>	<b>272</b>	<b>549</b>

Note: Individual Instruction includes internships, practica, student teaching, performance studies and flight training

**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	10	3	4	0	19	21	0	404	736
Upper	5	0	0	0	0	5	6	0	32	84
Grad	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7</b>	<b>10</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>24</b>	<b>18</b>	<b>0</b>	<b>436</b>	<b>820</b>

**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	5	7	5	1	0	18	16	0	296	569
Upper	3	0	0	0	0	3	8	0	24	48
Grad	1	0	0	0	0	1	3	0	3	9
<b>Total</b>	<b>9</b>	<b>7</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>22</b>	<b>15</b>	<b>0</b>	<b>323</b>	<b>626</b>

**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	10	5	3	0	20	20	0	404	788
Upper	2	4	0	0	0	6	12	0	74	218
Grad	0	0	1	0	0	1	23	0	23	69
<b>Total</b>	<b>4</b>	<b>14</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>27</b>	<b>19</b>	<b>0</b>	<b>501</b>	<b>1075</b>

**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	5	9	4	2	0	20	18	0	355	742
Upper	5	1	0	0	0	6	9	0	51	135
Grad	0	0	1	0	0	1	30	0	30	90
<b>Total</b>	<b>10</b>	<b>10</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>27</b>	<b>16</b>	<b>0</b>	<b>436</b>	<b>967</b>

*Note: Individual Instruction includes internships, practica, student teaching, performance studies and flight training*

**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	5	4	0	22	22	0	476	927
Upper	4	2	0	0	0	6	9	2	53	124
Grad	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	5	14	5	4	0	28	19	2	529	1051

**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	4	9	3	2	0	18	17	0	309	604
Upper	4	1	0	0	0	5	9	3	48	119
Grad	0	0	0	1	0	1	40	0	40	120
<b>Total</b>	8	10	3	3	0	24	16	3	397	843

*Note: Individual Instruction includes internships, practica, student teaching, performance studies and flight training*

## 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	6	0	6	
Upper	5	0	5	
Grad	0	0	0	
<b>Total</b>	<b>11</b>	<b>0</b>	<b>11</b>	

### 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	6	0	6	
Upper	6	0	6	
Grad	0	1	1	
<b>Total</b>	<b>12</b>	<b>1</b>	<b>13</b>	

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

### 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	6	0	6	
Upper	4	0	4	
Grad	0	0	0	
<b>Total</b>	<b>10</b>	<b>0</b>	<b>10</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 2002

Level	Taught by Full-Time Faculty	Taught by Part-Time Faculty	Total Three-Credit Sections	Comments*
Lower	3	2	5	
Upper	3	0	3	
Grad	0	0	0	
<b>Total</b>	<b>6</b>	<b>2</b>	<b>8</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	4	1	5	
Upper	2	0	2	
Grad	0	1	1	
<b>Total</b>	<b>6</b>	<b>2</b>	<b>8</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	4	2	6	
Upper	3	0	3	
Grad	1	0	1	
<b>Total</b>	<b>8</b>	<b>2</b>	<b>10</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	6	1	7	
Upper	5	0	5	
Grad	0	1	1	
<b>Total</b>	<b>11</b>	<b>2</b>	<b>13</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	6	1	7	
Upper	4	0	4	
Grad	0	0	0	
<b>Total</b>	<b>10</b>	<b>1</b>	<b>11</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	2	3	5	1 full-time faculty member on sabbatical/leave
Upper	5	0	5	
Grad	0	1	1	
<b>Total</b>	<b>7</b>	<b>4</b>	<b>11</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 2000 – Fall 2004

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Professor	0	0	0	0	1
Associate Professor	1	1	1	2	1
Assistant Professor	3	3	2	2	2
Instructor	0	0	0	0	0
<b>Total Full-Time Faculty</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>4</b>

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

	Fall 2000	Fall 2001	Fall 2002	Fall 2003	Fall 2004
Tenured	0	1	1	2	2
Not tenured	4	3	2	2	2
<b>% Tenured</b>	<b>0%</b>	<b>25.0%</b>	<b>33.3%</b>	<b>50.0%</b>	<b>50.0%</b>

**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	3	3	2	3	3
Women	1	1	1	1	1
<b>% Female</b>	<b>25.0%</b>	<b>25.0%</b>	<b>33.3%</b>	<b>25.0%</b>	<b>25.0%</b>

**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	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	4	4	3	4	4
International	0	0	0	0	0
Unknown	0	0	0	0	0
<b>Total Faculty of Color</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% Faculty of Color</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>

**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	4	4	3	4	4
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 2000 – Fall 2004

	Student FTE			Faculty FTE			Student/ Faculty Ratio
	GR	UG	Total	Full- Time	Part- Time	Total	
Fall 2000	1.2	49.3	50.5	3.8	0.0	3.8	13.3
Fall 2001	1.4	60.5	61.9	3.8	0.0	3.8	16.3
Fall 2002	1.9	53.1	55.0	2.9	0.3	3.2	17.2
Fall 2003	6.0	66.9	72.9	3.6	0.6	4.2	17.4
Fall 2004	1.2	69.1	70.3	3.8	0.9	4.7	15.0

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

	Physics	School of Arts & Sciences	Bridgewater State College
Fall 2000	13.3	19.7	19.3
Fall 2001	16.3	19.9	19.1
Fall 2002	17.2	20.0	20.0
Fall 2003	17.4	20.7	20.6
Fall 2004	15.0	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  
1999/00 – 2003/04**

	1999-00	2000-01	2001-02	2002-03	2003-04
Physics	4	2	6	0	3
Professional Physics	NA	NA	NA	2	3
<b>Total</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>6</b>

**Number of Baccalaureate Degree Recipients by Gender  
1999/00 – 2003/04**

	1999-00	2000-01	2001-02	2002-03	2003-04
Men	2	2	5	2	5
Women	2	0	1	0	1
<b>% Female</b>	<b>50.0%</b>	<b>0%</b>	<b>16.7%</b>	<b>0%</b>	<b>16.7%</b>

**Number of Baccalaureate Degree Recipients by Race/Ethnicity  
1999/00 – 2003/04**

	1999-00	2000-01	2001-02	2002-03	2003-04
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	4	2	6	2	3
International	0	0	0	0	1
Unknown	0	0	0	0	2
<b>Total Students of Color</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% Students of Color</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>

*Note: Includes double majors*

**V. Student Progress (continued)**

**Number of Baccalaureate Degree Recipients with Minor in  
Physics  
1999/00 – 2003/04**

	1999-00	2000-01	2001-02	2002-03	2003-04
Physics	5	1	1	2	3

**Number of Baccalaureate Degree Recipients with Minor in  
Physics by Gender  
1999/00 – 2003/04**

	1999-00	2000-01	2001-02	2002-03	2003-04
Men	4	1	0	2	2
Women	1	0	1	0	1
<b>% Female</b>	<b>20.0%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>	<b>33.3%</b>

**Number of Baccalaureate Degree Recipients with Minor in  
Physics by Race/Ethnicity  
1999/00 – 2003/04**

	1999-00	2000-01	2001-02	2002-03	2003-04
Native American	0	0	0	0	0
Asian	0	0	0	1	0
Black	0	0	0	0	0
Hispanic	0	0	0	0	0
Cape Verdean	0	0	0	0	0
White	2	1	1	1	1
International	2	0	0	0	1
Unknown	1	0	0	0	1
<b>Total Students of Color</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>% Students of Color</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>50.0%</b>	<b>0%</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 2001	7	5	71%	0	0%	5	71%	0	0%	0	0%	0	0%	2	29%
Fall 2002	1	1	100%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%
Fall 2003	6	4	67%	0	0%	4	67%	0	0%	0	0%	0	0%	2	33%

#### 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 2001	4	3	75%	1	25%	4	100%	0	0%	0	0%	0	0%	0	0%
Fall 2002	9	5	56%	3	33%	8	89%	0	0%	0	0%	0	0%	1	11%
Fall 2003	8	2	25%	2	25%	4	50%	0	0%	0	0%	0	0%	4	50%

#### 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 2001	8	5	63%	1	13%	6	75%	0	0%	0	0%	0	0%	2	25%
Fall 2002	7	4	57%	1	14%	5	71%	0	0%	0	0%	0	0%	2	29%
Fall 2003	8	6	75%	1	13%	7	88%	0	0%	0	0%	0	0%	1	13%

#### 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 2001	9	2	22%	0	0%	2	22%	6	67%	0	0%	6	67%	1	11%
Fall 2002	7	2	29%	0	0%	2	29%	2	29%	2	29%	4	57%	1	14%
Fall 2003	7	0	0%	1	14%	1	14%	5	71%	0	0%	5	71%	1	14%

### 5-Year Student Persistence

	Initial Cohort	Still Enrolled (Fall 2004)						Graduated (by Summer 2004)						Not Enrolled	
	Fall 1999	Same Major		Different Major		Total		Same Major		Different Major		Total			
Freshman	6	1	17%	1	17%	2	33%	1	17%	1	17%	2	33%	2	33%
Sophomore	6	0	0%	0	0%	0	0%	1	17%	3	50%	4	67%	2	33%
Junior	4	0	0%	0	0%	0	0%	3	75%	0	0%	3	75%	1	25%
Senior	6	0	0%	0	0%	0	0%	5	83%	0	0%	5	83%	1	17%