

Sciences &
Mathematics
Division Portfolio
AY 2007 - 2008

Division of Sciences and Mathematics Fall 2007 – Spring 2008

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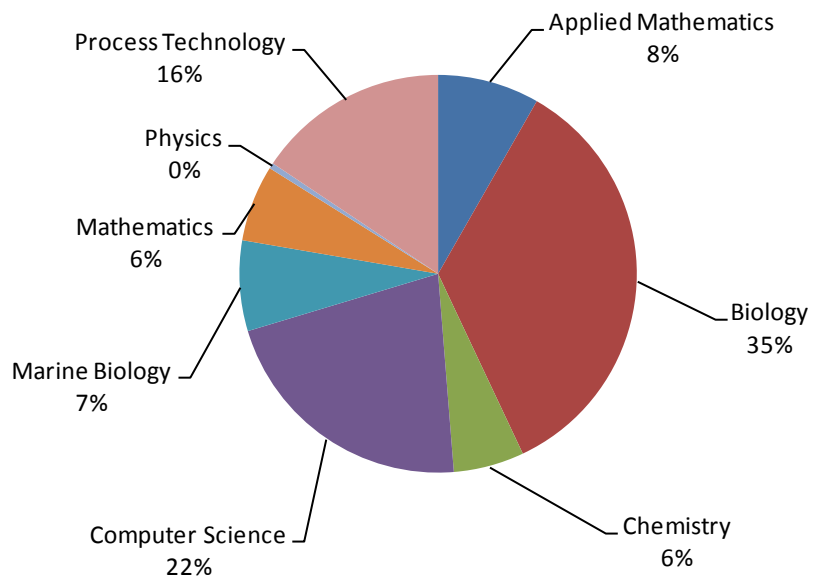
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Section One
Undergraduate
Enrollment

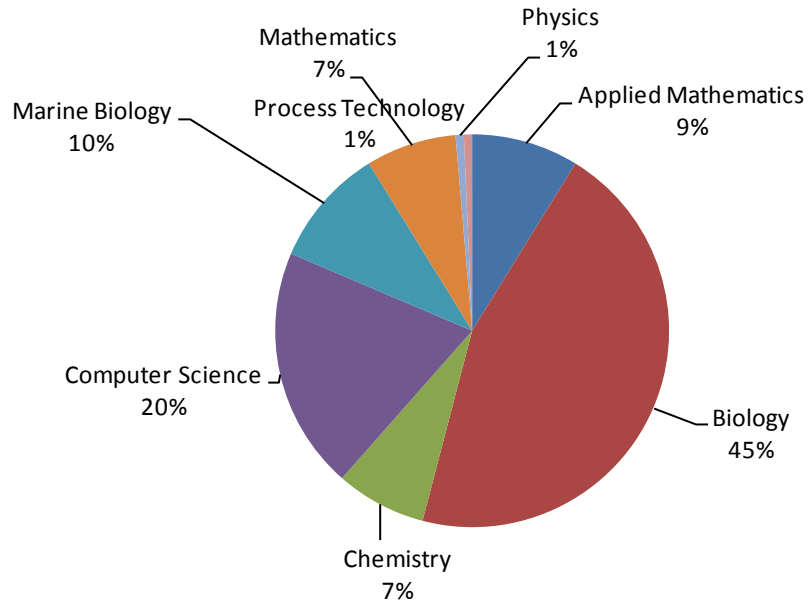
**Table 1.1 Enrollment by Status, Major, Gender and Campus
Fall 2007**

Major	All			Full-time			Part-time		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
UVI									
Applied Mathematics	36	12	24	35	12	23	1	0	1
Biology	151	124	27	137	112	25	14	12	2
Chemistry	25	16	9	21	14	7	4	2	2
Computer Science	94	27	67	65	17	48	29	10	19
Marine Biology	32	18	14	26	16	10	6	2	4
Mathematics	27	20	7	22	16	6	5	4	1
Physics	2	1	1	1	0	1	1	1	0
Process Technology	68	28	40	38	16	22	30	12	18
All Majors	435	246	189	345	203	142	90	43	47
St. Thomas									
Applied Mathematics	26	8	18	26	8	18	0	0	0
Biology	134	113	21	123	103	20	11	10	1
Chemistry	22	16	6	19	14	5	3	2	1
Computer Science	59	15	44	42	10	32	17	5	12
Marine Biology	29	16	13	23	14	9	6	2	4
Mathematics	22	16	6	17	12	5	5	4	1
Physics	2	1	1	1	0	1	1	1	0
Process Technology	2	2	0	1	1	0	1	1	0
All Majors	296	187	109	252	162	90	44	25	19
St. Croix									
Applied Mathematics	10	4	6	9	4	5	1	0	1
Biology	17	11	6	14	9	5	3	2	1
Chemistry	3	0	3	2	0	2	1	0	1
Computer Science	35	12	23	23	7	16	12	5	7
Marine Biology	3	2	1	3	2	1	0	0	0
Mathematics	5	4	1	5	4	1	0	0	0
Physics	0	0	0	0	0	0	0	0	0
Process Technology	66	26	40	37	15	22	29	11	18
All Majors	139	59	80	93	41	52	46	18	28

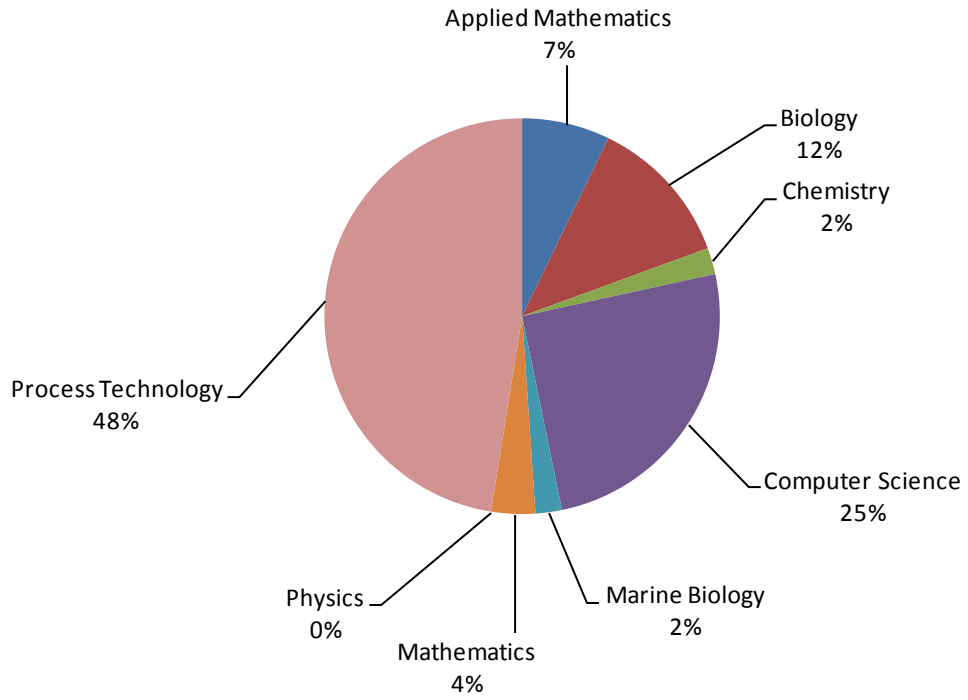
Enrollment by Major Fall 2007



**Enrollment by Major
St Thomas Campus
Fall 2007**



**Enrollment by Major
St Croix Campus
Fall 2007**



**Table 1.2 Enrollment by Campus, Age and Status
Fall 2007**

Age	UVI		St. Thomas		St. Croix	
	Count	Percent	Count	Percent	Count	Percent
ALL						
Under 18	42	10	28	9	14	10
18-19	175	40	110	37	65	47
20-21	111	26	84	28	27	19
22-24	61	14	48	16	13	9
25-29	26	6	15	5	11	8
30-34	9	2	6	2	3	2
35-39	3	1	2	1	1	1
40-49	5	1	3	1	2	1
Over 50	2	0	0	0	2	1
Unknown	1	0	0	0	1	1
Total	435	100	296	100	139	100
FULL-TIME						
Under 18	42	12	28	11	14	15
18-19	158	46	104	41	54	58
20-21	86	25	71	28	15	16
22-24	35	10	31	12	4	4
25-29	13	4	10	4	3	3
30-34	6	2	5	2	1	1
35-39	1	0	1	0	0	0
40-49	2	1	2	1	0	0
over 50	1	0	0	0	1	1
Unknown	1	0	0	0	1	1
Total	345	100	252	100	93	100
PART-TIME						
Under 18	0	0	0	0	0	0
18-19	17	19	6	14	11	24
20-21	25	28	13	30	12	26
22-24	26	29	17	39	9	20
25-29	13	14	5	11	8	17
30-34	3	3	1	2	2	4
35-39	2	2	1	2	1	2
40-49	3	3	1	2	2	4
over 50	1	1	0	0	1	2
Unknown	0	0	0	0	0	0
Total	90	100	44	100	46	100

**Table 1.3 Enrollment by Status, Major, Gender and Campus
Spring 2008**

Major	All			Full-time			Part-time		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
UVI									
Applied Mathematics	39	16	23	34	13	21	5	3	2
Biology	141	117	24	119	97	22	22	20	2
Chemistry	20	13	7	16	11	5	4	2	2
Computer Science	85	26	59	59	18	41	26	8	18
Marine Biology	31	16	15	21	13	8	10	3	7
Mathematics	23	16	7	17	12	5	6	4	2
Physics	2	1	1	1	0	1	1	1	0
Process Technology	71	31	40	37	17	20	34	14	20
All Majors	412	236	176	304	181	123	108	55	53
St. Thomas									
Applied Mathematics	31	12	19	30	12	18	1	0	1
Biology	124	104	20	107	89	18	17	15	2
Chemistry	17	12	5	16	11	5	1	1	0
Computer Science	57	14	43	41	10	31	16	4	12
Marine Biology	29	14	15	20	12	8	9	2	7
Mathematics	19	13	6	15	11	4	4	2	2
Physics	2	1	1	1	0	1	1	1	0
Process Technology	1	1	0	1	1	0	0	0	0
All Majors	280	171	109	231	146	85	49	25	24
St. Croix									
Applied Mathematics	8	4	4	4	1	3	4	3	1
Biology	17	13	4	12	8	4	5	5	0
Chemistry	3	1	2	0	0	0	3	1	2
Computer Science	28	12	16	18	8	10	10	4	6
Marine Biology	2	2	0	1	1	0	1	1	0
Mathematics	4	3	1	2	1	1	2	2	0
Physics	0	0	0	0	0	0	0	0	0
Process Technology	70	30	40	36	16	20	34	14	20
All Majors	132	65	67	73	35	38	59	30	29

**Table 1.4 Enrollment by Campus, Age and Status
Spring 2008**

Age	UVI		St. Thomas		St. Croix	
	Count	Percent	Count	Percent	Count	Percent
ALL						
Under 18	4	1	2	1	2	2
18-19	121	29	84	30	37	28
20-21	149	36	105	38	44	33
22-24	81	20	57	20	24	18
25-29	31	8	18	6	13	10
30-34	11	3	5	2	6	5
35-39	5	1	4	1	1	1
40-49	6	1	4	1	2	2
Over 50	4	1	1	0	3	2
Unknown	0	0	0	0	0	0
Total	412	100	280	100	132	100
FULL-TIME						
Under 18	4	1	2	1	2	3
18-19	109	36	79	34	30	41
20-21	122	40	95	41	27	37
22-24	50	16	41	18	9	12
25-29	11	4	8	3	3	4
30-34	2	1	2	1	0	0
35-39	2	1	1	0	1	1
40-49	2	1	2	1	0	0
over 50	2	1	1	0	1	1
Unknown	0	0	0	0	0	0
Total	304	100	231	100	73	100
PART-TIME						
Under 18	0	0	0	0	0	0
18-19	12	11	5	10	7	12
20-21	27	25	10	20	17	29
22-24	31	29	16	33	15	25
25-29	20	19	10	20	10	17
30-34	9	8	3	6	6	10
35-39	3	3	3	6	0	0
40-49	4	4	2	4	2	3
over 50	2	2	0	0	2	3
Unknown	0	0	0	0	0	0
Total	108	100				

**Table 1.5 St. Thomas Campus
by Undergraduate Course, Section, Enrollment and Credit Hours
Fall 2007**

Course	Class Description	Number of Sections	Total Enrollment	Average Enrollment	Credits per Course	Total Credit Hours
BIO 141	General Biology I	3	39	13	4	156
BIO 245	Principles of Genetics	3	43	14	4	172
BIO 261	Human Structure and Function I	2	18	9	4	72
BIO 295	Responsible Conduct of Research	1	15	15	1	15
BIO 301	Microbiology for Health Sciences	2	19	10	4	76
BIO 360	Cell and Molecular Biology I	2	24	12	4	96
BIO 370	Evolution	1	21	21	3	63
BIO 397	Junior Science Seminar I	1	30	30	1	30
BIO 465	Selected Topics	1	13	13	3	39
BIO 495	Directed Independent Research in Biology	1	12	12	1	12
BIO 496	Internship/Field Studies	1	1	1	1	1
BIO 497	Senior Science Seminar I	1	16	16	1	16
CHE 111	Principles of Chemistry for the Life Sciences I	2	28	14	4	112
CHE 121	Fundamentals of Chemistry	1	16	16	3	48
CHE 151	General Chemistry I	3	42	14	5	210
CHE 152	General Chemistry II	2	11	6	5	55
CHE 251	Quantitative Analysis	1	8	8	4	32
CHE 253	Organic Chemistry I	3	43	14	5	215
CHE 397	Junior Science Seminar	1	3	3	0.5	1.5
CHE 497	Senior Science Seminar I	1	4	4	1	4
CSC 117	Introduction to Programming I	1	23	23	4	92
CSC 119	Computer Graphics Applications	1	15	15	1	15

CSC 239	Human-Computer Interface Design	1	11	11	2	22
CSC 241	Introduction to Computer Architecture & Design	1	12	12	4	48
CSC 242	Data Structures	1	17	17	4	68
CSC 317	Programming III	1	3	3	3	9
CSC 332	Database & Information Retrieval	1	3	3	3	9
CSC 397	Junior Computer Science Seminar I	1	3	3	0.5	1.5
CSC 420	Software Engineering	1	2	2	4	8
CSC 430	Knowledge Engineering and Knowledge Expert	1	4	4	3	12
CSC 496	Internship/Field Studies	1	2	2	1	2
CSC 497	Senior Science Seminar I	1	5	5	1	5

Continued →

**Table 1.5 St. Thomas Campus
by Undergraduate Course, Section, Enrollment and Credit Hours
Fall 2007**

Course	Class Description	Number of Sections	Total Enrollment	Average Enrollment	Credits per Course	Total Credit Hours
MAT 023	Introduction to Algebra Concepts and Skills I	7	156	22	4	624
MAT 024	Introduction to Algebra Concepts and Skills II	4	88	22	4	352
MAT 140	College Algebra with Applications	4	100	25	4	400
MAT 142	College Trigonometry	2	22	11	4	88
MAT 143	Pre-Calculus Algebra	2	45	23	4	180
MAT 232	Calculus for Business and Social Sciences	2	45	23	4	180
MAT 233	Discrete Mathematics	1	9	9	3	27
MAT 235	Introduction to Statistics with Applications	2	37	19	4	148
MAT 241	Introduction to Calculus and Analytical Geometry I	2	41	21	4	164
MAT 242	Introduction to Calculus and Analytical Geometry II	1	11	11	4	44
MAT 261	Linear Algebra	1	18	18	4	72
MAT	Intermediate Calculus I	1	18	18	3	54

341						
MAT						
344	Probability	1	9	9	3	27
MAT						
352	Mathematical Modeling	1	5	5	3	15
MAT						
362	Abstract Algebra I	1	8	8	3	24
MAT						
397	Junior Mathematics Seminar	1	12	12	0.5	6
MAT						
497	Senior Mathematics Seminar	1	6	6	1	6
MBI						
397	Junior Science Seminar I	1	2	2	1	2
MBI						
465	Selected Topics	1	5	5	3	15
MBI	Directed Independent Research in Marine					
496	Biology	1	1	1	1	1
MBI						
497	Senior Science Seminar II	1	4	4	1	4
MSC						
111	Open Water Scientific Diving	2	13	7	1	13
PHY						
211	Introduction to Physics I	2	21	11	4	84
PHY						
242	General Physics II	1	15	15	5	75
PHY						
311	Classical Mechanisms I	1	1	1	3	3
SCI						
100	The Natural World: The Caribbean	8	137	17	3	411
SCI						
200	Changes in the Natural World	4	49	12	3	147
SCI						
210	Introduction To Meteorology	1	48	48	4	192
SCI						
301	Applications of Science	1	5	5	3	15
ALL		103	1437	14	177.5	5090

**Table 1.6 St. Croix Campus
by Undergraduate Course, Section, Enrollment and Credit Hours
Fall 2007**

Course	Class Description	Number of Sections	Total Enrollment	Average Enrollment	Credits per Course	Total Credit Hours
BIO 141	General Biology I	2	14	7	4	56

BIO 495	Directed Independent Research	1	1	1	1	1
CHE 111	Principles of Chemistry for the Life Sciences I	1	13	13	4	52
CHE 141	Introduction to Chemistry	1	12	12	5	60
CHE 151	General Chemistry I	2	14	7	5	70
CSC 111	Use of Computers I	1	8	8	1	8
CSC 117	Introduction to Programming I	1	14	14	4	56
CSC 118	Introduction to Programming II	1	1	1	4	4
CSC 119	Computer Graphic Applications	1	5	5	1	5
CSC 239	Scientific Computer Applications	1	7	7	2	14
CSC 241	Introduction Computer Architecture & Digital Systems	1	6	6	4	24
CSC 242	Data Structures	1	6	6	4	24
CSC 317	Programming III	1	2	2	3	6
CSC 332	Databases and Information Retrieval	1	3	3	3	9
CSC 397	Junior Computer Science Seminar I	1	2	2	0.5	1
CSC 430	Knowledge Engineering and Knowledge Expert	1	1	1	3	3
CSC 497	Senior Science Seminar I	1	2	2	1	2
MAT 023	Introduction to Algebra Concepts Skills I	7	150	21	4	600
MAT 024	Introduction to Algebra Concepts Skills II	4	78	20	4	312
MAT 140	College Algebra w/App	3	54	18	4	216
MAT 143	Pre-Calculus Algebra	2	28	14	4	112
MAT 232	Calculus for Business & Social Sciences	2	22	11	4	88
MAT 233	Discrete Mathematics	1	2	2	3	6
MAT 235	Introduction to Statistics with Applications	1	20	20	4	80
MAT 241	Introduction to Calculus & Analytic Geometry I	1	17	17	4	68

Continued →

**Table 1.6 St. Croix Campus
by Undergraduate Course, Section, Enrollment and Credit Hours
Fall 2007**

Course	Class Description	Number of Sections	Total Enrollment	Average Enrollment	Credits per Course	Total Credit Hours
PRT 101	Introduction to Process Technology	1	17	17	3	51
PRT 110	Basic Electricity Theory	1	13	13	3	39
PRT121	Process Instrumentation I	1	13	13	3	39
PRT 122	Instrumentation II	1	6	6	3	18
PRT 125	Industrial Process I	1	9	9	3	27
PRT 130	Process Technology I Equipment	1	10	10	3	30
PRT 225	Safety, Health and Environment	1	7	7	3	21
PRT 231	Process Technology II-Systems	1	8	8	2	16
PRT 232	Process Technology III Operations	1	7	7	3	21
PRT 240	Process Troubleshooting	1	8	8	3	24
PRT 275	Internship	1	2	2	3	6
SCI 100	The Caribbean: The Natural World	5	103	21	3	309
SCI 200	Changes In The Natural World	3	24	8	3	72
SCI 210	Introduction to Meteorology	1	15	15	4	60
SCI 301	Applications of Science	2	10	5	3	30
ALL		62	734	12	125.5	2640

**Table 1.7 Degrees Conferred by Major and Campus
Spring 2008**

Major	Associates	Bachelors	All Degrees
UVI			
Applied Mathematics	•	5	5
Biology	•	9	9
Chemistry	•	5	5
Computer Science	4	5	9
Marine Biology	•	6	6
Mathematics	•	5	5
Physics	3	•	3
Process Technology	13	•	13
Total	20	35	55
St Thomas			
Applied Mathematics	•	4	4
Biology	•	7	7
Chemistry	•	5	5
Computer Science	2	4	6
Marine Biology	•	5	5
Mathematics	•	4	4
Physics	•	•	0
Process Technology	•	•	0
Total	2	29	31
St Croix			
Applied Mathematics	•	1	1
Biology	•	2	2
Chemistry	•	0	0
Computer Science	2	1	3
Marine Biology	•	1	1
Mathematics	•	1	1
Physics	3	•	3
Process Technology	13	•	13
Total	18	6	24

• Degree not offered

**Table 1.9 Degrees Conferred by Gender, Honor and Campus
Spring 2008**

	Female	Male	Total
UVI			
Cum Laude	13	3	16
Magna Cum Laude	2	3	5
Summa Cum Laude	1	1	2
Total	16	7	23
St. Thomas			
Cum Laude	9	1	10
Magna Cum Laude	2	2	4
Summa Cum Laude	0	0	0
Total	11	3	14
St. Croix			
Cum Laude	4	2	6
Magna Cum Laude	0	1	1
Summa Cum Laude	1	1	2
Total	5	4	9

Section Two

Graduate

Enrollment

**Table 1.9 Graduate Enrollment by Status, Major, Gender and Campus
Fall 2007**

Major	All			Full-time			Part-time		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
UVI									
Master Of Arts in Mathematics	5	3	2	0	0	0	5	3	2
Master of Marine and Environmental Science	9	4	5	9	4	5	0	0	0
Total	14	7	7	9	4	5	5	3	2
St. Thomas									
Master Of Arts in Mathematics	1	0	1	0	0	0	1	0	1
Master of Marine and Environmental Science	9	4	5	9	4	5	0	0	0
Total	10	4	6	9	4	5	1	0	1
St. Croix									
Master Of Arts in Mathematics	4	3	1	0	0	0	4	3	1
Master of Marine and Environmental Science	0	0	0	0	0	0	0	0	0
Total	4	3	1	0	0	0	4	3	1

**Table 1.10 Graduate Enrollment by Campus, Age and Gender
Fall 2007**

Age Group	UVI			St. Thomas			St. Croix		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
Under 22	0	0	0	0	0	0	0	0	0
22-24	1	0	1	1	0	1	0	0	0
25-29	7	6	1	5	4	1	2	2	0
30-34	4	1	3	3	0	3	1	1	0
35-39	1	0	1	1	0	1	0	0	0
40-49	0	0	0	0	0	0	0	0	0
Over 50	1	0	1	0	0	0	1	0	1
Total	14	7	7	10	4	6	4	3	1

**Table 1.11 Graduate Courses
by Campus, Section, Enrollment and Credit Hours
Fall 2007**

Course	Class Description	St. Thomas				
		Number of Sections	Total Enrollment	Average Enrollment	Credits per Course	Total Credit Hours
MAT 501	Advanced Geometry	1	3	3	3	9
MES 501	Physical Ecological Process I	1	9	9	3	27
MES 503	Research Methods and Tools I	1	9	9	3	27
MES 505	Natural Resources Management	1	9	9	3	27
MES 507	Professional Development I	1	9	9	1	9
St. Croix						
MAT 501	Advanced Geometry	1	8	8	3	24

**Table 1.12 Graduate Degrees Conferred by Gender and Campus
Spring 2008**

Gender	UVI	St. Thomas	St. Croix
Female	7	4	3
Male	6	6	1
Total	14	10	4