



**B.S. in Exercise Science**  
**Biomedical Science Emphasis**  
**EXS-BMSBS.2017 (Mrs 1398)**  
**60-61 credits**

<b>Name of Student:</b>		
<b>Student ID #:</b>		Graduation Date
<b>Home Country:</b>	<input type="checkbox"/> IWORK	
<b>Advisor:</b>	Name	Date

Effective Date: 09/2017

**Core Requirements** **31-32 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
EXS 260/L OR BIOL 260/L	Elementary Human Anatomy/Lab	3		F, W		
			BIOL 113, CHEM 105/L	W		
EXS 261 OR BIOL 261/L	Elementary Human Physiology	3		W		
			4	BIOL 113, CHEM 105/L	F	
EXS 330	Principles of Exercise and Sports Science	3		F,S		
EXS 341	Biomechanics	3	EXS 260/L or BIOL 260/L	F,W		
EXS 340	Motor Learning	3	EXS 260/L or BIOL 260/L, EXS 341	F,W		
EXS 344	Physiology of Exercise	3	EXS 260/L or BIOL 260/L, EXS 261 or BIOL 261/L	W,S		
EXS 365	Exercise Testing and Prescription	3	EXS 260/L or BIOL 260/L, EXS 344	F,S		
EXS 399R	Internship in Exercise and Sport Science	3		F,W,S		
EXS 493	Research Methods in Exercise and Sport Science	2	MATH 221	F,W		
EXS 494	Student Research in Exercise and Sport Science	2	EXS 493	W,S		
MATH 221	Principles of Statistics	3	MATH 107 or 110	F,W,S		

CPR/First Aid Certification Required (EXS 265, EXS 164, Red Cross/BYUH Certification)

**Biomedical Emphasis** **29 Credits**

Biomedical Science Core		12 Credits Minimum				
BIOL 112/L	Biology I – Cell and Molecular Biology/Lab	4		F,W,S		
CHEM 105/L	General Chemistry I/Lab	4	MATH 101 (or equivalent) w/C- or better and concurrent enrollment in MATH 110, or MATH 110 w/C- or better, or ACT Math score higher than 22 or SAT Math score higher than 520. (High School Chemistry or CHEM 101 highly recommended)	F,W		
CHEM 106/L	General Chemistry II/Lab	4	CHEM 105/L w/C- or better	W,S		
CHEM 351/L	Organic Chemistry I/Lab	4	CHEM 106/L; CHEM 201 co- or pre-requisite	F		
CHEM 352/L	Organic Chemistry II/Lab	4	CHEM 351/L	W		
PSYC 111	General Psychology	3		F,W,S		
PHYS 121/L	General Physics I/Lab	4	MATH 112 and either High School Trigonometry or MATH 111	F,W		
PHYS 220/L	General Physics II/Lab	4	PHYS 121/L. Completion of MATH 113 recommended	F,W		

**Biomedical Science Electives** **17 Credits Minimum**

*Elective pool includes any above, not previously used, or any below. A minimum of 3 credits must be from 300 or 400 level courses. No more than 4 credits of Sports Fundamentals (EXS 230-247) are allowed to count in elective pool.*

EXS 230-247	Sport Fundamentals	1-4		Variable		
EXS 270	Sports Nutrition	3		F,W		
EXS 306	Sports Officiating	2		F,W		
EXS 339	Measurement and Evaluation	3		S		
EXS 344L	Physiology of Exercise Lab	1	EXS 260/L or BIOL 260/L, EXS 261 or BIOL 261/L	W,S		
EXS 349	Prevention and Care of Athletic Injuries	3	BIOL 260/L or EXS 260/L, EXS 344	S		
EXS 350	Medical and Wellness Tourism	3		F		
EXS 361	Corporate Wellness Management	3		W		
EXS 369R	Coaching Fundamentals in Selected Sports	2		F,W,S		
EXS 370	Event Management in Sport and Fitness	3		F		
EXS 409	Sports Psychology	3	Junior or Senior Status	F,W		
EXS 410	The Personal Trainer Certification	2	EXS 344, 349, 365	W		
EXS 411	Sports Nutrition Certification	2	EXS 260/L or BIOL 260/L, EXS 261 or BIOL 261/L, EXS 270	S		
EXS 414	International Sports Management	3	Junior or Senior Status	F		
EXS 420	Physical Activity in Public Health	3		S		
EXS 441	Adaptive Physical Education	2	EXS 341, 344	S		
EXS 458	International Sport and Law	3	Junior or Senior Status	W		
HLTH 135	Health in Marriage and Pregnancy	2		W		
HLTH 221	Substance Use and Abuse	3		S		
HLTH 230	Health Issues and Problems	2		F		
HLTH 369	Community Health	3		F		
HLTH 441	Health in Secondary Schools	2		W		
BIOL 113	Biology II – Evolution, Ecology, and Organismal Biology	3	BIOL 112/L	F,W,S		

**Total Credits Mapped for Graduation:**

No grade below "C-" accepted

The terms of this MRS will be honored by the Department and University within the next 8 years. If courses cease to be offered, options for substitution will be provided.