B.S. IN EXERCISE SCIENCE -EXERCISE SCIENCE SPECIALIST CONCENTRATION

College of Health Sciences

Curriculum

Code	Title	Credits
GENERAL EDUC. catalog.wcupa.edu/u requirements/)	ATION REQUIREMENTS (http:// indergraduate/general-education-	
Academic Foundation	ons	
First Year Experience	e requirement	4
English Composition	n requirement	6-7
WRT 120	Effective Writing I	
WRT 200	Critical Writing and Research	
or WRT 204 or WRT 205 or WRT 206 or WRT 208 or WRT 220	Critical Writing: Approaches to Popular C Critical Writing: Investigating Experience Critical Writing: Multidisciplinary Imagin Critical Writing: Entering Public Sphere Critical Writing: Special Topics	2
Mathematics require		3-4
MAT 121	Introduction to Statistics I	
Interdisciplinary requ		3
Diverse Communitie	s requirement	3
Ethics requirement		3
Distributed Discipli	nary Foundations	
Science requirement		6-8
See Related Requi fulfill these credits	rements under your concentration to	
Behavioral & Social	Science requirement	6
PSY 100	Introduction to Psychology	
SOC 100	Introduction to Sociology	
or SOC 240	Sociology of the Family	(
Humanities requirem	lent	6
Arts requirement ADDITIONAL BA	CCALAUREATE	3
	6 (http://catalog.wcupa.edu/ ral-education-requirements/)	
University Requiren	nents	
Writing Emphasis re	quirement	9
Speaking Emphasis 1	requirement	9
SPK 208	Public Speaking	
or SPK 230	Business and Professional Speech	
	Communication	
Degree Requiremen	ts	
Capstone requirement		1-15
MAJOR REQUIRI	EMENTS	
Core Courses ¹		
EXS 103	Fundamentals of Group Exercise and Resistance Training	3
EXS 180	Lifetime Fitness Concepts	3
EXS 270	Motor Learning	3
EXS 223	Kinetic Anatomy	2
EXS 280	The Exercise Science Profession	1
EXS 362	Biomechanics	3
EXL 362	Biomechanics Laboratory	1

EXS 375	Sport and Exercise Psychology	3
EXS 380	Exercise Physiology	3
EXL 380	Exercise Physiology Lab	1
EXS 381	Fitness Assessment - Exercise Prescription	3
EXL 381	Fitness Assessment - Exercise Prescription Lab	1
EXS 482	Strength Training and Conditioning	3
EXL 482	Strength Training and Conditioning Laboratory	1
EXS 484	Organization and Management of Adult Fitness Programs Clinic/ Seminar	3
EXS 486	Exercise Prescription - Special Population	3
EXS 489	Clinical Exercise Testing and Interpretation	3
EXL 489	Clinical Exercise Testing and Interpretation Laboratory	1
Related/Cogna	te Requirements	
BIO 259	Human Anatomy and Physiology I	4
BIO 269	Human Anatomy and Physiology II	4
NTD 303	Introductory Principles Human Nutrition	3
Capstone Requ	irement	
EXS 490	Internship ^{1,2}	3
Concentration		
	ake the required courses in their o reach the 120 credits required for	
Total Minimun	n Credits Required	120
Evorcico Sci	ance Specialist Concentration	

Exercise Science Specialist Concentration

Students graduating as an Exercise Science Specialist are prepared to conduct adult fitness programs, prescribe and administer exercise in settings such as hospitals, clinics, corporations, or community centers, and work as personal trainers or strength and conditioning coaches.

Code	Title	Credits
Related Requiremen	nts	
BIO 100	Basic Biological Science	3
or BIO 110	General Biology I	
CHE 107	General Chemistry for Allied Health Sciences	4
or CHE 103	General Chemistry I	
CRL 107	General Chemistry Lab for Allied Health Sciences	1
or CRL 103	General Chemistry I Lab	
PHY 100	Elements of Physical Science ³	3
SMD 271	First Aid and Athletic Training	2
or SMD 204	First Aid for Health Professionals	
Student Electives		
Students must take e minimum.	electives to fulfill 120 credit hour	9-10

¹ In order to graduate, a minimum grade of C- or better in all exercise science core courses is required.
 ² This course fulfills the Capstone requirement.

³ PHY 100 or above

Accelerated B.S. in Exercise Science - Exercise Science Specialist Concentration to M.S. in Exercise and Sport Science

Any Exercise Science major with junior-standing in the Exercise Science Specialist Concentration and a 3.0 cumulative GPA or higher may substitute up to 12 graduate credits to satisfy the B.S. program.

5	1	8	5	1	0
Code		Title			Credits
EXS 570		Concepts of Exe Science	ercise and Sport	t	3
EXS 572		Advanced Moto	r Learning		3
EXS 640		Applied Sport as Psychology	nd Exercise		3
EXS 641		Group Dynamic Exercise	es in Sport and		3
EXS 681		Metabolic, Endo Physiology	ocrine, and Dig	estive	3
EXS 687		Neuromuscular I	Physiology		3
EXS 688		Cardiopulmonar	y Physiology		3
EXS 585		Biomechanics			3
EXS 582		Pathokinesiolog	У		3

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport (http://wcupa.edu/degreeprogressreport/).

The following is a sample suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

	7 1	
Course Year One Fall	Title	Credits
EXS 103 or EXS 180	Fundamentals of Group Exercise and Resistance Training or Lifetime Fitness Concepts	3
BIO 100	Basic Biological Science	3
SOC 100 or SOC 240	Introduction to Sociology or Sociology of the Family	3
WRT 120 or WRT 123	Effective Writing I or Effective Writing with Supplemental Writing Workshop	3-4
FYE 100X	First Year Experience	4
	Credits	16-17
Spring		
Or EXS 180 EXS 103	Lifetime Fitness Concepts or Fundamentals of Group Exercise and Resistance Training	3
BIO 259	Human Anatomy and Physiology I	4
MAT 121	Introduction to Statistics I	3
PSY 100	Introduction to Psychology	3
WRT 2XX	200-Level WRT Course	3
	Credits	16
Year Two Fall		
EXS 223 & EXS 280 or EXS 270	Kinetic Anatomy or Motor Learning	3

	Total Credits	122-12
	Credits	13-1
Gen Ed Cou	1	
Gen Ed Cou		
EXS 490	Interpretation Laboratory Internship	3-
Spring EXS 489 & EXL 489	Clinical Exercise Testing and Interpretation and Clinical Exercise Testing and	
Souice	Credits	1
Gen Ed Cour		
Gen Ed Cour		
EXS 486	Exercise Prescription - Special Population	
EXS 484	Organization and Management of Adult Fitness Programs Clinic/Seminar	
EXS 482	Strength Training and Conditioning	
Year Four Fall		
	Credits	1
Gen Ed Cour		
Gen Ed Cour Gen Ed Cour	4	
Gen Ed Cour	Prescription Lab	
EXS 381 & EXL 381	Fitness Assessment - Exercise Prescription and Fitness Assessment - Exercise	
Spring EXS 375	Sport and Exercise Psychology	
	Credits	15-1
& CRL 107	Sciences and General Chemistry Lab for Allied Health Sciences	
or SMD 204 CHE 107	or First Aid for Health Professionals General Chemistry for Allied Health	
& EXL 380 SMD 271	and Exercise Physiology Lab First Aid and Athletic Training	2-
& EXL 362 EXS 380	and Biomechanics Laboratory Exercise Physiology	
Fall EXS 362	Biomechanics	
Year Three		_
	Credits	1
Gen Ed Cour Gen Ed Cour	130	
NTD 303	Introductory Principles Human Nutrition	
EXS 280 PHY 100	Elements of Physical Science	
or EXS 223 <i>and</i> EXS 280	or Kinetic Anatomy <i>and</i> The Exercise Science Profession	
Spring EXS 270	Motor Learning	
C •	Credits	1
Gen Ed Cour		
Gen Eu Cour	rse	
Gen Ed Cour		

¹ Choose from list: 1 interdisciplinary course, 1 diverse communities course, 3 speaking emphasis courses, 3 writing emphasis courses, 1 ethics course, 1 arts course, and 2 humanities courses. Double up on gen ed courses when possible.