

Bachelor of Science in Biology w/Exercise Science Concentration MAT 3+2 (120 Hours)

Core Level Courses (11 Hours)

BIB 121 History of The New Testament	2 Hrs
COM 113 Basic Speech or	
COM 123 Introduction to Communications	3 Hrs
ENG 113 English Composition I ¹	3 Hrs
ENG 123 English Composition II ²	3 Hrs

Artistic Appreciation & Expression (6 Hours, 3 in Literature)

MUS 203 Music Appreciation	3 Hrs
Any Literature course ³	3 Hrs
MUS 171 (271, 371, 471) University Singers	3 Hrs
MUS 161 (261, 361, 461) Celebration Singers	3 Hrs
COM 141 (241, 341, 441) Theatre Performance	3 Hrs

Cultural Perspective (3 Hours)

GEO 214 Cultural Geography	3 Hrs
MUS 353 World Music	3 Hrs
EDU 343 Human Relations/Multicultural Awareness	3 Hrs
HST 403 African American History	3 Hrs
EXP 313 Experiential Studies in Multiculturalism	3 Hrs
HST 273 World Civ to 1450	3 Hrs
HST 283 World Civ Since 1450	3 Hrs

Historical Foundations (3 Hours)

HST 213 History of the U.S. to 1877	3 Hrs
HST 223 History of the U.S. since 1877	3 Hrs
HST 253 Western Civ to 1648	3 Hrs
HST 263 Western Civ from 1648	3 Hrs

Human Behavior and Social Foundations (3 Hours)

PSY 113 General Psychology	3 Hrs
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Religious Studies (9 Hours)

BIB 232 Story of Israel	3 Hrs
BIB 132 Story of the Church	3 Hrs
BIB 242 Christian Faith and Life	3 Hrs

Scientific Inquiry (7 hours)

BIO 154 College Biology 1 ⁵	4 Hrs
MTH 173 College Algebra ⁴	3 Hrs

Institutional Requirements (7 Hours)

YCS 101 Freshman Seminar	1 Hr
One Upper Division BIB, or DOC, or MIN, or RHS	3 Hrs

Departmental Requirements:

Biology Core: (29 hours)	
Physical Science	8 Hrs
Life Science	9 Hrs
Biological Science	8 Hrs
Capstone and Professional Experience	3 Hrs

Physical Science

CHM 114 General Chemistry I	4 Hrs
PHY 214 Intro to Physics	4 Hrs

Life Science

BIO 313 Nutrition ⁶	3 Hrs
BIO 344 General Microbiology ⁶	4 Hrs
<i>ATTR 5100 Anatomical Dissection</i>	2 Hrs

Biological Science (8 hours from the following options)

<i>ATTR 5330 Health Assessment</i>	4 Hrs
BIO 354 Environmental Science ⁶	4 Hrs
BIO 374 Ecology ⁶	4 Hrs

Capstone and Professional Experience

HHP 421 Exercise-Science Seminar	3 Hrs
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Specialized Courses: (23 hours)

BIO 314 Human Anatomy	4 Hrs
BIO 324 Human Physiology	4 Hrs
<i>ATTR 5600 Rehabilitation of Athletic Injuries</i>	3 Hrs
PED 102 First Aid & CPR	2 Hrs
PED 433 Kinesiology	3 Hrs
PED 443 Physiology of Exercise	3 Hrs
PED 141 Clinical Field Study I *	1 Hr
PED 241 Clinical Field Study II *	1 Hr
PED 341 Clinical Field Study III *	1 Hr
PED 441 Clinical Field Study IV *	1 Hr

Elective Recommendations (7 hours)

PED 463 Advanced Athletic Training	3 Hrs
PHY 214 Introductory Physics 1	4 Hrs

This degree requires a minimum of 120 hours of credit, including 36 hours of Upper-Division credit. All departmental requirements must be passed with a C or better.

Italicised taken at NWU

Prerequisites:¹ 18 English ACT or ENG 103 ² ENG 113 ³ ENG 123 ⁴ 22 Math ACT or MTH 133 ⁵ 18 Science ACT or NSC 163 ⁶ BIO 154 ⁷ BIO 314 ⁸ CHM 214 ⁹ CHM 224 ¹⁰ CHM 314 ¹¹ PHY 211 ¹² PHY 214 ¹³ High School Chemistry of CHM 114, 22 Math ACT or MTH 173 ¹⁴ BIO 224 ¹⁵ BIO 413 ¹⁶ MTH 173 ¹⁷ MTH 214

BS Exercise Science & Master of Athletic Training					
Example 5 Year Plan					
Fall (Year 1)	Semester Credits	15	Spring (Year 1)	Semester Credits	15
BIO 154	College Biology	4	PED 102	First Aid & CPR	2
YCS 101	Freshman Seminar	1	PED 241	Clinical Field Study II	1
BIB 121	Story of Jesus	2	ENG 123	English Composition II	3
ENG 113	English Composition I	3	BIB 232	Story of Israel	3
CHM 114	General Chemistry I	4	GENED	Artistic Appreciation	3
PED 141	Clinical Field Study	1	MTH 173	College Algebra	3
Fall (Year 2)	Semester Credits	15	Spring (Year 2)	Semester Credits	14
PHY 214	Intro to Physics I	4	BIO 324	Human Physiology	4
BIO 314	Human Anatomy	4	PED 441	Clinical Field Study III	1
BIO 313	Nutrition	3	BIB 242	Christian Faith and Life	3
PED 341	Clinical Field Study III	1	PSY 113	General Psychology	3
BIB 132	Story of Church	3	GENED	Literature Course	3
Fall (Year 3)	Semester Credits	16	Spring (Year 3)	Semester Credits	14
BIO 354	Environmental Science	4	BIO 344	General Microbiology	4
PED 433	Kinesiology	3	BIO 421	Exercise Science Seminar	1
COM 113	Basic Speech	3	PED 443	Physiology of Exercise	3
GENED	Cultural Perspective	3	GENED	UD Bible	3
GENED	Historical Course	3	ELEC	Elective	3
Summer (Year 3)	Semester Credits	5			
AT 5000	Fundamentals of AT	4			
AT 5010	AT Clinical Exp. 1	1			
Fall (Year 4)	Semester Credits	13	Spring (Year 4)	Semester Credits	15
AT 5450	Modalities of Athletic Inj.	4	AT 5510	Res & Stats in EBP	2
AT 5400	Physical Exam of Lower	4	AT 5520	Research in AT 1	2
AT 5100	Anatomical Dissection	2	AT 5410	Physical Exam of Upper	4
AT 5020	AT clinical Exp. 2	3	AT 5030	AT Clinical Exp. 3	3
			AT 5330	Health Assessment	4
Summer (Year 4)	Semester Credits	6			
AT 5040	AT Clinical Exp IV.	2			
AT 5600	Rehab of Athle Injury	4			
Fall (Year 5)	Semester Credits	12	Spring (Year 5)	Semester Credits	7
AT 5050	AT Clinical Exp. V	4	AT 5060	AT Clinical Exp. VI	4
AT 5350	Org and Ad of AT	3	AT 5060	AT Exam Prep	2
AT 5530	Research in AT 2	2	AT 5990	AT Graduate Seminar	1
AT 5700	Pharmacology and Nutrition	3			