

CURRICULUM REQUIREMENTS FOR BS in Exercise Science

CORE REQUIREMENT

A 3 credit global studies class is required to fulfill the core curriculum

	<u>Sem.</u>	<u>Grade</u>	<u>Credit</u>
I. Human Cond. In its Ultimate Relationships			
Religion – 6 credits			
1. RST 112 Modern Belief	_____	_____	3
2. RST _____	_____	_____	3
Philosophy – 6 credits			
1. PHIL 113 Intro to Phil	_____	_____	3
2. PHIL _____	_____	_____	3
II. Human Cond. In its Physical Universe			
Science – 3 credits			
1. BIOL 121 Anatomy & Phys.	Fall	_____	3
Math – 1 course			
1. MATH 155 Stats	F	_____	3
III. Human Cond. In Cultural Content			
1. ENGL 160 Writing Skills	_____	_____	3
Literature – 6 credits			
1. ENGL180 Intro World Lit	_____	_____	3
2. ENGL _____	_____	_____	3
Foreign Language – 3-6 credits will be 3 credits if those credits are taken at the second semester, (intermediate 212 or higher)			
1. _____	_____	_____	3
2. _____	_____	_____	3
Fine Arts – 1 course			
1. FA _____	_____	_____	3
IV. Human Cond. In its Historical Context			
History – 6 credits			
1. HIST _____	_____	_____	3
2. HIST _____	_____	_____	3
V. The Human Cond. In Relation to Self & Soc. Structure			
Social Science – 3 credits			
May include psy, econ, soc, poli sci, anthropology, criminology. Recommend PSY 211			
1. PSY 211	_____	_____	3
Total Core Credits	_____ (of 45)		

ATES

<u>Skills</u>	<u>Sem.</u>	<u>Grade</u>	<u>Credit</u>
ATES 111R Weight Lifting	F&Sp	_____	1
ATES 115 Aquatics	F&Sp	_____	1
ATES 201 Team Sports	F	_____	2
ATES 202 Recreational Sports	F	_____	2
ATES 204 Teaching Group Ex.	S	_____	2
			Tot 8

Sciences (*AT must follow required courses for 3+2)

BIOL 110 Princ of Bio	_____	_____	3
BIOL 110L Princ of Bio Lab	_____	_____	1
BIOL 114 Micro Bio for Health	_____	_____	3
BIOL 114 Micro Bio Lab	_____	_____	1
BIOL 121L Anat. & Phys. Lab	_____	_____	1
BIOL 122 Anat. & Phys	_____	_____	3
BIOL 122L Anat. & Phys Lab	_____	_____	1
BIOL 150 Gen Biology I	_____	_____	3
BIOL 150 Gen Biology I Lab	_____	_____	1
BIOL 151 Gen Biology II	_____	_____	3
BIOL 151 Gen Biology II Lab	_____	_____	1
CHEM 121 Princ of Chem	_____	_____	3
CHEM 121L Princ of Chem Lab	_____	_____	1
CHEM 131 Gen Chem I	_____	_____	3
CHEM 131L Gen Chem I Lab	_____	_____	1
CHEM 132 Gen Chem II	_____	_____	3
CHEM 132L Gen Chem II Lab	_____	_____	1
CHEM 221 Org Chem I	_____	_____	3
CHEM 221L Org Chem II Lab	_____	_____	1
CHEM 222 Org Chem II	_____	_____	3
CHEM 222L Org Chem II Lab	_____	_____	1
PHYS 303 Gen Physics I	_____	_____	3
PHYS 303L Gen Physics I Lab	_____	_____	1
PHYS 304 Gen Physics II	_____	_____	3
PHYS 304L Gen Physics II Lab	_____	_____	1
			Tot 17

Ex Phys Theory

	<u>Sem.</u>	<u>Grade</u>	<u>Credit</u>
<i>ATES 150 Intro Ex Sci: Career & Fall</i>	_____	_____	3
ATES 210 Anatomical Concepts	Fall	_____	1
ATES 215 Intro Sports Med	Fall	_____	3
ATES 221 Kinesiology	Fall	_____	3
ATES 225 Phys. of Exer.	Sp	_____	3
ATES 225L Phys. of Exer. Lab	Sp	_____	1
ATES 236 Research Meth ATES	Fall	_____	3
ATES 324 Motor Learning	Sp	_____	2
ATES 360 Exer. Test & Prescrip.	Sp	_____	3
ATES 360L Exer Test Pre Lab	Sp	_____	1
<i>ATES 340 Clinical Assessment</i>	Sp	_____	3
ATES 380 Exer & Chronic Dise	Fall	_____	3
ATES 424 Organ & Admin.	Sp	_____	3
ATES 480A Practicum	F/Sp/Su	_____	3
ATES 480B Practicum	F/Sp/Su	_____	3
ATES 495 Seminar	Spring	_____	1
			Tot 39

Nutrition

	<u>Sem.</u>	<u>Grade</u>	<u>Credit</u>
ND 112 Nutrition I	F	_____	3
ND 213 Nutrition II	Spring	_____	3
ND 331 Sports Nutrition	Fall	_____	3
			Tot 9

*students **may** use “Science Theory” courses in place of any of the electives courses listed above. Students are encouraged to check pre requisites for graduate schools’ which frequently require several science courses for admission.

Electives:	<u>Sem.</u>	<u>Grade</u>	<u>Credit</u>
ATES 440 Advanced Ex Phys	_____	_____	3
ATES 457 Sport and Rec Mgmt	_____	_____	3
ATES 475 Clinical Ex Phys	_____	_____	3
ATES 499 Independent Study	_____	_____	1/2/3
ATES 421 Coaching	_____	_____	2
ND 103 Basic Culinary Foods	_____	_____	3
ND 103L Bas Culinary Food Lab	_____	_____	0
BUS 111 Prin of Marketing	_____	_____	3
BUS 121 Prin of Management	_____	_____	3
BUS 130 Intro to Accounting	_____	_____	3
BUS 212 Advertising	_____	_____	3
PSY 251 Dev Psych	_____	_____	3
PSY 431 Abnormal Psychology	_____	_____	3
PSY 439 Sports Psychology	_____	_____	3
Elective	_____	_____	_____
Elective	_____	_____	_____
			<u>Tot 8</u>

Total NATES Credits: 80

Total credits to graduate: 126

Students interested in graduate study in physical therapy are advised to consult the most recent Physical Therapy Centralized Application Service (PTCAS) course prerequisite summary at <http://www.ptcas.org/ProgramPrereqs/>.

Students interested in graduate study in OT, PA, Chiropractic, should consult pre requisite course requirements for application.

NATES Minors

Prerequisites must be checked

Coaching

ATES 111R Weight Lifting	<u>F&Sp</u>	_____	1
ATES 215 Intro to Sports Med	<u>Fall</u>	_____	3
ATES 221 Kines/Applied Anat	<u>Fall</u>	_____	3
ATES 324 Motor Learning	<u>Spring</u>	_____	2
ATES 360 Ex Test/Presc w/Lab	<u>Spring</u>	_____	4
ATES 421 Coaching	_____	_____	2
PSY 211 General Psychology	_____	_____	3
ND 330/331 Sports Nutrition	<u>Fall</u>	_____	3

Nutrition Minor

BIOL 121 Anat. & Phys.	<u>Fall</u>	_____	3
BIOL 122 Anat. & Phys	<u>Spring</u>	_____	3
ND 103 Basic & Culinary Food	<u>Fall</u>	_____	3
ND 103Lab Basic & Cul. Lab	<u>Fall</u>	_____	0
ND 112 Nutrition I	<u>F&Sp</u>	_____	3
ND 213 Nutrition II	<u>Spring</u>	_____	3
Plus one of the following 3 credit courses:			
ND 203, ND 211, ND 223, ND 330 or ND 331.			
ND _____	_____	_____	3

Fitness Professional (previously Sport & Rec Management Minor)

PSY 439 Sports Psychology	_____	_____	3
ATES 457 Sport and Rec Mgt.	_____	_____	3
BUS 111 Prin. of Marketing	_____	_____	3
BUS 121 Prin. of Management	_____	_____	3
BUS 130 Intro to Accounting	_____	_____	3
BUS 212 Advertising	_____	_____	3