

## UHSP Teach-Out Mapping

<b>Teach Out Mapping</b>		
<b>B.S. Exercise Science at Fontbonne to B.S. Exercise Physiology at UHSP</b>		
	<b>Fontbonne</b>	<b>UHSP</b>
<b>Transfer Credit Equivalents</b>		
<b>General Education Requirements</b>	ENG 101 – Composition I	WRIT 1101 – The Effective Writer
	ENG 102 – Composition II	WRIT 1102 – The Writer as Advocate
	COM 101 – Comm in Everyday Life or COM 102 – Public Speaking	COMM 1100 – Fundamentals of Public Speaking
	MTH 115 – Introduction to Statistics	MATH 1105 – Introduction to Statistics
	BIO 132 – General Biology I w/lab	BIOL 1111 – Introductory Biology I w/lab
	CHM 106 – General Chemistry I w/lab	CHEM 1105 – General Chemistry I w/lab
	SOC 100 – Survey of Sociology	SOCI 2210 – Sociology
	Pillars of Knowledge Literature, History, Philosophy or Fine Arts Course	Humanities & Fine Arts General Ed Course
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	Pillars of Knowledge Literature, History, Philosophy or Fine Arts Course	Humanities & Fine Arts General Ed Course
	200 Level Writing Intensive Course	Writing Intensive Requirement
300 Level Writing Intensive Course	Writing Intensive Requirement	
<b>Degree Requirements</b>	BIO 134 – General Biology II w/lab	BIOL 1112 – Introductory Biology II w/lab
	BIO 220 – Anatomy & Physio I w/lab	BIOL 2240 – Anatomy & Physio w/lab
	BIO 222 – Anatomy & Physio II w/lab	BIOL 2241 – Anatomy & Physio w/lab
	CHM 108 – General Chemistry II w/lab	CHEM 1106 – General Chemistry II w/lab
	EXS 100 – Intro to Exercise Sci I & EXS 101 – Intro to Exercise Sci II	EXSC 2205 – Introduction to Exercise Science
	EXS 301 – Strength Training & Cond.	EXSC 4410 – Sci Princ of Strength & Cond
	EXS 302 – Exercise Physiology w/lab	BIOL 3390 – Exercise Physiology w/lab
	EXS 306 – Kinesiology & Biomechanic w/lab	EXSC 4400 - Biomechanics
	EXS 310 – Neuromechanics	EXSC 3300 – Motor Learning & Control
	EXS 395 – Exercise Science Capstone	EXSC 4420 – Exercise Physiology Capstone
	MTH 110 – Precalculus	MATH 1109 - Precalculus
	NTR 216 – Nutrition	BIOL 2260 – Principles of Nutrition
	PHY 208/210 & 228 – Physics I w/lab	PHYS 3211 – Physics I w/lab
	PHY 210/220 & 230 – Physics II w/lab	PHYS 3212 – Physics II w/lab
	PHY 210/220 & 230 – Physics II w/lab	PHYS 3212 – Physics II w/lab

Teach Out Substitution Suggestions – Not Exact Matches		
Additional Degree Requirements	BIO 201 – R Basics	MATH 2200 – Probability & Advanced Statistics
	BIO 204 – Modeling & Exp Design	SOCI 3350 – Social Science Research Methods
	BIO 397 – Advanced Topics in Biology	Advanced Biology Selective
	ONE 196 – Introduction to One Health	BIOL 3311 - One Health
	EXS 495/497 – Research or Internship	RSPR 4400 - Research Project

Teach Out Mapping B.S. Biology at Fontbonne to B.S. Biomedical Sciences at UHSP		
	Fontbonne	UHSP
<b>Transfer Credit Equivalents</b>		
General Education Requirements	Refer to the Exercise Science mapping table above for transfer credit equivalents	
Biology Core	BIO 132 - General Biology I w/lab	BIOL 1111 - Introductory Biology I w/lab
	BIO 134 - General Biology II w/lab	BIOL 1112 - Introductory Biology II w/lab
	BIO 204 - Modeling & Experimental Design	SOCI 3350 - Social Science Research Methods
	BIO 212 - Genetics	BIOL 2250 - Genetics
	BIO 235 - Field Ecology & Animal Behavior	Advanced Biology Selective*
	BIO 496 - Biology Senior Capstone	BIOL 4310 - Biology Seminar
	BIO 213- Genetics Lab or BIO 215 Forensics Biology Lab	BIOL 4356L - Molecular Biology & Genetics Lab
Additional Required Courses	BIO 196 - Biology Seminar or ONE 196 - Introduction to One Health	BPHS 1201 Intro to Research in Basic Sciences
	BIO 203 - Science & Society	BIOL 3365 - Science, Ethics, & Society
	BIO 397 - Advanced Topics in Biology	Advanced Biology Selective*
	CHM 106 - General Chemistry I w/lab	CHEM 1105 - General Chemistry I
	CHM 108 - General Chemistry II w/lab	CHEM 1106 - General Chemistry II
	CHM 210 - Organic Chemistry I & CHM 211 - Org Chem Lab	CHEM 1231 - Organic Chemistry I
	CHM 212 - Organic Chemistry II	CHEM 1232 - Organic Chemistry II
	MTH 150 - Precalculus	MATH 1109 - Precalculus
	CIS 200 - Scientific Computing Languages	PROG 1101 - Programming Fundamentals or DATA 2201 - Data Analytics
	BIO 295/495 - Research	RSPR 4400 - Research Project
BIO 201 - R Basics / MTH 115 - Intro to Statistics	MATH 1105 - Introduction to Statistics	

	BIO 202 - Data Analysis in R	DATA 1100 - Introduction to Data Literacy & Analytics
<b>Physics Sequence</b>	PHY 208/218- Physics I & PHY 228 - Physics I Lab	PHYS 3211 - Physics I w/lab
	PHY 210/220 - Physics II & PHY 230 - Physics II Lab	PHYS 3212 - Physics II w/lab
<b>Biology Electives</b>	Two Ecology/Evolution Electives	BIOL 2200 – Evolution BIOL 3311 - One Health
	Two Cell & Molecular Biology Electives	Choose two of the following at UHSP: BIOL 3310 - Cell Biology BIOL 4355 - Molecular Biology & Genetics CHEM 3321 – Biochemistry CHEM 3323 - Biochemistry II
	Two Disease Dynamics Electives	Choose two of the following at UHSP: BIOL 3240 - Microbiology w/lab BIOL 3340 - Public Health Microbiology BIOL 3380 – Virology BIOL 4360 & 4465 - Immunology

\*Advanced Biology Selectives available at UHSP include:

BIOL 3325 - Forensic Science	BIOL 3340 - Public Health Microbiology
BIOL 3380 -Virology	BIOL 4360 - Immunology
BIOL 4355 - Molecular Biology & Genetics	CHEM 3321- Biochemistry
	CHEM 3323 - Biochemistry II
CHEM 4471- Medicinal Chemistry I	CHEM 4472 - Medicinal Chemistry II