

EXERCISE SCIENCE: BACHELOR OF SCIENCE

CARDIAC REHABILITATION CONCENTRATION

Four-Year Planning Guide ■ Catalog Year 2021-2022

FALL SPRING **FRESHMAN (2021)** FRESHMAN (2022) 7 General Education Core* 8 General Education Core* BIO-241 Anatomy & Physiology I 4 BIO-242 Anatomy & Physiology II 4 3 **MAT-110** KIN-211 History & Principles of Kinesiology College Math* 3 PSY-111 General Psychology*** 3 15 17 SOPHOMORE (2022) SOPHOMORE (2023) General Education Core* General Education Core* 4 6 General Biology BIO-151 4 General elective 3 3 KIN-342 BIO-353 Pathophysiology Exercise Physiology 3 Pharmacology KIN-251 Motor Development & Learning 3 SCI-346 3 KIN-346 **Exercise Testing and Prescriptions** 3 17 15 **JUNIOR (2023) JUNIOR (2024)** General Education Core* **PSY-239** Adult Psychology 3 3 BIO-347 Introduction to Nutrition 3 KIN-341 Anatomical Kinesiology 4 KIN-362 First Aid & Injury Prevention KIN-345 Measurement & Evaluation 3 3 KIN-364 3 3 Cardiovascular Disease **MAT-151** Statistics SCI-242 Medical Terminology 2 KIN-402 Professional Capstone Seminar 1 **Global Studies Requirement** 3 could take as a J or May term trip 17 14 **SENIOR** (2024) **SENIOR (2025)** General Education Core* 3 KIN-381 Cardiac Rehab Internship 12 KIN-361 Electrocardiography 2 KIN-403 Professional Capstone Research Project 1 Advanced Exercise Physiology KIN-444 3 General electives 4 13 12 TOTAL CREDITS 120 *See General Education Core handout for required courses

***PSY 111 fulfills the General Education Core Social Science requirement and is a pre-requisite for PSY 239



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RELATED COURSES THAT FULFILL GLOBAL STUDIES REQUIREMENT:

For a full list	t of courses see Academic Catalog	
CMI-243	Introduction to Intercultural Studies	3
COM-311	Intercultural Communication	3
SSC-312	World Affairs	3
LIN-100	Language in Culture	3
	International Study Trip	3

REQUIRED CARDIAC REHABILITATION COURSES

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BIO-151	General Biology	4
BIO-241	Anatomy and Physiology I	4
BIO-242	Anatomy and Physiology II	4
BIO-347	Introduction to Nutrition	3
BIO-353	Pathophysiology (prerequisite BIO-241 & BIO-242)	3
MAT-151	Statistics (prerequisite math core)	3
KIN-211	History and Principles of Kinesiology	3
KIN-251	Motor Development and Learning	3
KIN-341	Anatomical Kinesiology (prerequisite BIO-241)	4
KIN-342	Exercise Physiology (prerequisite BIO-241, BIO-242, KIN-346)	3
KIN-345	Measurement and Evaluation (prerequisite math core)	3
KIN-346	Exercise Testing and Prescriptions	3
KIN-361	Electrocardiography (prerequisite BIO-242)	2
KIN-362	First Aid and Injury Prevention	3
KIN-364	Cardiovascular Disease and Risk Management (prerequisite BIO-241, BIO-242, KIN-342, KIN-346)	3
KIN-381	Cardiac Rehab Internship	12
KIN-402	Professional Capstone Seminar	1
KIN-403	Professional Capstone Research Project (prerequisite KIN-402)	1
KIN-444	Advanced Exercise Physiology (prerequisite KIN-342)	3
PSY-111	General Psychology	3
PSY-239	Adult Psychology (prerequisite PSY111)	3
SCI-242	Medical Terminology	2
SCI-346	Pharmacology (prerequisite BIO-151, 241, 242)	3

CUMULATIVE TOTAL 76

Credit Hours