## **B.S. IN BIOKINETICS - HUMAN BIOENERGETICS ACADEMIC PLANS**

Print Version: Excel Print Version: PDF

## B.S. in Biokinetics (Human Bioenergetics) 2020-2021: Option 1 - CWILT

First Year					
Fall BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab		Interim 4 GES 125 Introduction to the Creative Arts	Credits	Spring 4 BIB 101 Introduction to the Bible	Credits 3
GES 130 Christianity Western Culture		4		GES 140 Introduction to Wellbeing	3
GES 160 Inquiry Seminar		3		HAS 170 Applied Nutrition	3
HAS 120 First Aid		1		Second Language (S) course <sup>1</sup>	4
PSY 100 Introduction to Psychology		3			
	1	5		4	13
Second Year					
Fall CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab	Credits	Interim 4 THE 201 Christian Theology	Credits	Spring 3 HAS 370 Functional Human Nutrition	Credits 3
BIO 214 & BIO 215 Human Anatomy and Human Anatomy Lab		4		BIO 216 & BIO 217 Human Physiology and Human Physiology Lab	4

## B.S. in Biokinetics - Human Bioenergetics Academic Plans 2

HAS 250M Statistics and Research Methods in Applied Health Sciences	3			CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab		4
World Cultures (U) course	3			Leisure and Lifetime Sports (Q) course		1
Contemporary Western Life and Thought (L) course	3			Elective		3
	17			3		15
Third Year Fall HAS 247 Motor Development and Learning	Credits 3	Interim Elective	Credits	Spring 3 HAS 375 Biomechanics	Credits	3
HAS 379 Integrative Human Physiology	3			HAS 393 Literature Review in Biokinetics		1
PHY 202 & PHY 202D Introductory Physics I and Introductory Physics I Lab	4			HAS 398 Physiological Assessment Laboratory		1
Interpreting Biblical Themes (J) course	3			HAS 399 Physiological Assessment		3
Cross-Cultural Experience (Z) course	0-3			Comparative Systems (G) course		3
				Science, Technology, and Society (K) course		3
				Artistic Experience (A) course		0-3
Farmala V	13-16	i		3		14-17
Fourth Year	Ovadita	Intorina	Oradita	Caria	0	
Fall HAS 450 Clinical Neuromuscular Interventions	Credits 3	Interim Interim Off	Credits	Spring HAS 481 Internship in Human Kinetics and Applied Health Science	Credits	3

HAS 445 Advanced Laboratory Techniques in Biokinetics	3	HAS 495 Biokineti Symposi	cs
HAS 494 Biokinetics Research	1	Contemp Christian (P) cours	Issues
Electives	6	Electives	5
	13	0	12

Total Credits 122-128

This program assumes a student will use CHE 113/CHE 113D and HAS 250M to meet the General Education Laboratory Science (D) course and Mathematics (M) course requirements.

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)

## B.S. in Biokinetics (Human Bioenergetics) 2020-2021: Option 2 - Humanities

First Year						
Fall	Credits	Interim	Credits	Spring	Credits	
BIB 101 Introduction to the Bible		3 GES 147 Humanities II: Renaissance and Reformation	2	4 GES 244 Humanities III: European Enlightenment and American Culture to 1877		4
BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	ı	4		HAS 120 First Aid		1
GES 140 Introduction to Wellbeing		3		HAS 170 Applied Nutrition		3
GES 145 Humanities I: Greco-Roman through Middle Ages		4		PSY 100 Introduction to Psychology		3

Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

Second Year   Fall   Credits   Interim   Credits   Spring   Credits	14
Fall         Credits         Interim         Credits         Spring         Credits           BIO 214         4 Comparative         3 BIO 216         8 BIO 217         8 BIO 217         Human         Human         Human         Physiology         Human         Human         Physiology         Anatomy         and Human         Physiology Lab         CHE 113         CHE 214         CHE 214         CHE 215         General         General         General         CHE 215         CHE 216         CHE 216	
BIO 214	
& CHE 113D       & CHE 215         General       General	4
Chemistry I Chemistry II and General Chemistry I Lab Chemistry II Lab	
GES 246 4 HAS 370 Humanities IV: Functional Modern and Human Contemporary Nutrition	3
HAS 250M 3 Electives Statistics and Research Methods in Applied Health Sciences	4
Leisure and 1 Lifetime Sports (Q) course	
16 3	15
Third Year	
Fall Credits Interim Credits Spring Credits  HAS 247 Motor 3 Elective 3 HAS 375  Development Biomechanics and Learning	3
HAS 379 3 HAS 393 Integrative Literature Human Review in Physiology Biokinetics	1
PHY 202 4 HAS 398  & PHY 202D Physiological Introductory Assessment Physics I and Laboratory Introductory Physics I Lab	1
Second 4 HAS 399 Language (S) Physiological course Assessment	3

Cross-Cultural Experience (Z) course	0-3	3			Artistic Experience (A) course		0-3
					Interpreting Biblical Themes (J) course		3
					Science, Technology, and Society (K) course		3
	14-17	7		3			14-17
Fourth Year							
Fall	Credits	Interim	Credits		Spring	Credits	
HAS 445 Advanced Laboratory Techniques in Biokinetics	\$	3 Interim Off			HAS 481 Internship in Human Kinetics and Applied Health Science		3
HAS 450 Clinical Neuromuscular Interventions	3	3			HAS 495 Biokinetics Symposium		1
HAS 494 Biokinetics Research	1				Contemporary Christian Issues (P) course		3
Electives	6	5			Electives		5
	13	3		0			12

Total Credits 122-128

This program assumes a student will use CHE 113/CHE 113D and HAS 250M to meet the General Education Laboratory Science (D) course and Mathematics (M) course requirements.

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)

Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)