

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

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

### First Year

Fall	Credits	Interim	Credits	Spring	Credits
BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab		4 GES 125 Introduction to the Creative Arts		4 BIB 101 Introduction to the Bible	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				
	15			4	13

### Second Year

Fall	Credits	Interim	Credits	Spring	Credits
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab		4 THE 201 Christian Theology		3 HAS 370 Functional Human Nutrition	3
BIO 214 & BIO 215 Human Anatomy and Human Anatomy Lab	4			BIO 216 & BIO 217 Human Physiology and Human Physiology Lab	4

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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**

<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
HAS 247 Motor Development and Learning		3 Elective		3 HAS 375 Biomechanics	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
13-16		3		14-17	

**Fourth Year**

<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
HAS 450 Clinical Neuromuscular Interventions		3 Interim Off		HAS 481 Internship in Human Kinetics and Applied Health Science	3

HAS 445 Advanced Laboratory Techniques in Biokinetics	3	HAS 495 Biokinetics Symposium	1
HAS 494 Biokinetics Research	1	Contemporary Christian Issues (P) course	3
Electives	6	Electives	5
	13	0	12

Total Credits 122-128

<sup>1</sup> Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

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		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	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

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				World Cultures (U) course	3
		14		4	14
<b>Second Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
BIO 214 & BIO 215 Human Anatomy and Human Anatomy Lab		4 Comparative Systems (G) course		3 BIO 216 & BIO 217 Human Physiology and Human Physiology Lab	4
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab	4			CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab	4
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			HAS 370 Functional Human Nutrition	3
HAS 250M Statistics and Research Methods in Applied Health Sciences	3			Electives	4
Leisure and Lifetime Sports (Q) course	1				
		16		3	15
<b>Third Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
HAS 247 Motor Development and Learning		3 Elective		3 HAS 375 Biomechanics	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
Second Language (S) course	4			HAS 399 Physiological Assessment	3

Cross-Cultural Experience (Z) course	0-3			Artistic Experience (A) course	0-3
				Interpreting Biblical Themes (J) course	3
				Science, Technology, and Society (K) course	3
		14-17		3	14-17
<b>Fourth Year</b>					
<b>Fall</b>	<b>Credits</b>	<b>Interim</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
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			HAS 495 Biokinetics Symposium	1
HAS 494 Biokinetics Research	1			Contemporary Christian Issues (P) course	3
Electives	6			Electives	5
		13		0	12

Total Credits 122-128

<sup>1</sup> Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

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.)