BA or BS in Biology Health Science – 2024-2025

Student Name: _____

Student ID: @_____

Foundational Requirements

_____ BIO 201 4 Biology I: Foundations of Cell Biology & Genetics
_____ BIO 202 4 Biology II: Organisms and Diversity
_____ BIO 203 4 Principles of Genetics
_____ BIO 493 4 Biology Senior Capstone
_____ ENS 204 4 Principles of Ecology

Major Requirements

_____ BIO 185 1 Biology Major Orientation
_____ BIO 285 1 Biology Colloquium I
_____ BIO 310 4 Human Anatomy and Physiology I
_____ BIO 311 4 Human Anatomy and Physiology II
_____ BIO 385 1 Biology Colloquium II
_____ BIO 485 1 Biology Colloquium III
_____ KIN 221 3 Exercise as Medicine

Concentrations – *Students must select one of the following concentrations:*

Pre-Allied Health Careers

_____ BIO 210 3 Medical Terminology
_____ BIO 471 4 Microbiology and Immunology
_____ CHE 211 4 College Chemistry I
_____ CHE 212 4 College Chemistry II
_____ CHE 311 4 Organic Chemistry I
_____ MAT 210 4 Introductory Statistics

Select one course from the following:

_____ PSY 100 3 Introductory Psychology
_____ PSY 250 3 Life Span Development

Select one course from the following:

_____ SOC 100 3 Introduction to Sociology
_____ SOC 210 3 Contemporary Social Issues
_____ SOC 220 3 Ethnic and Minority Issues

Select at least 6 hours from the following:

_____ BIO 306 3 Introduction to Bioinformatics
_____ BIO 312 4 Cellular and Molecular Biology
_____ BIO 393 3-4 Practicum
_____ BIO 432 4 Developmental Biology
_____ BIO 450 3-4 Directed Research
_____ BIO 462 4 Molecular Genetics
_____ BIO 472 4 Histology

Select at least an additional 6 hours from the following:

_____ BIO 306 3 Introduction to Bioinformatics
_____ BIO 312 4 Cellular and Molecular Biology
_____ BIO 345 3 Evolution and the Nature of Science
_____ BIO 393 3-4 Practicum
_____ BIO 432 4 Developmental Biology
_____ BIO 450 3-4 Directed Research
_____ BIO 462 4 Molecular Genetics
_____ BIO 472 4 Histology
_____ EXS 306 3 Physiology of Exercise
_____ EXS 316 3 Applied Nutrition
_____ EXS 381 3 Kinesiology
_____ HPH 310 3 Cardiorespiratory Physiology & Chronic Disease
_____ HPH 315 3 Pathophysiology of Immunological and Metabolic Chronic Diseases
_____ HPH 320 3 Neuromuscular Physiology & Chronic Disease
_____ PBH 100 3 Introduction to Public Health
_____ PBH 335 4 Environmental Health
_____ PHI 311 3 Medical Ethics
_____ SUS 315 4 Sustainable Food Systems and Health

Select an additional 8 hours from the following:

_____ CHE 312 4 Organic Chemistry II
_____ CHE 411 3 Biochemistry I
_____ NAS 230 2 Health Education for Behavior Change
_____ NAS _70 1 Special Topics *(approved by advisor)*
_____ PHY 203 4 General Physics I
_____ PHY 204 4 General Physics II

Pre-Dental or Pre-Medicine

_____ CHE 211 4 College Chemistry I
_____ CHE 212 4 College Chemistry II
_____ CHE 311 4 Organic Chemistry I
_____ CHE 312 4 Organic Chemistry II
_____ CHE 411 3 Biochemistry I
_____ MAT 210 4 Introductory Statistics
_____ PHY 203 4 General Physics I
_____ PHY 204 4 General Physics II

Select one course from the following:

_____ PSY 100 3 Introductory Psychology
_____ PSY 250 3 Life Span Development

Select one course from the following:

_____ SOC 100 3 Introduction to Sociology
_____ SOC 210 3 Contemporary Social Issues
_____ SOC 220 3 Ethnic and Minority Issues

Select three courses from the following:

_____ BIO 306 3 Introduction to Bioinformatics
_____ BIO 312 4 Cellular and Molecular Biology
_____ BIO 432 4 Developmental Biology
_____ BIO 462 4 Molecular Genetics
_____ BIO 471 4 Microbiology and Immunology
_____ BIO 472 4 Histology

Select at least an additional 6 hours from the following:

_____ BIO 306 3 Introduction to Bioinformatics
_____ BIO 312 4 Cellular and Molecular Biology
_____ BIO 345 3 Evolution and the Nature of Science
_____ BIO 393 2-4 Practicum
_____ BIO 432 4 Developmental Biology
_____ BIO 450 2-4 Directed Research
_____ BIO 462 4 Molecular Genetics
_____ BIO 471 4 Microbiology and Immunology
_____ BIO 472 4 Histology
_____ EXS 306 3 Physiology of Exercise
_____ EXS 316 3 Applied Nutrition
_____ EXS 381 3 Kinesiology
_____ HPH 310 3 Cardiorespiratory Physiology & Chronic Disease
_____ HPH 315 3 Pathophysiology of Immunological and Metabolic Chronic Diseases
_____ HPH 320 3 Neuromuscular Physiology and Chronic Disease
_____ PBH 100 3 Introduction to Public Health
_____ PBH 335 4 Environmental Health
_____ PHI 311 3 Medical Ethics
_____ SUS 315 4 Sustainable Food Systems and Health

Recommended Courses

BIO 210 3 Medical Terminology
NAS 230 2 Health Education for Behavior Change
NAS _70 1 Special Topics *(approved by advisor)*

(Requirements continued on next page)

Pre-Optometry

_____	BIO 210	3	Medical Terminology
_____	BIO 471	4	Microbiology and Immunology
_____	CHE 211	4	College Chemistry I
_____	CHE 212	4	College Chemistry II
_____	CHE 311	4	Organic Chemistry I
_____	CHE 411	3	Biochemistry I
_____	MAT 210	4	Introductory Statistics
_____	PHY 203	4	General Physics I
_____	PHY 204	4	General Physics II
_____	PSY 100	3	Introductory Psychology

Select <u>one</u> course from the following:

_____	SOC 100	3	Introduction to Sociology
_____	SOC 210	3	Contemporary Social Issues
_____	SOC 220	3	Ethnic and Minority Issues

Select at least <u>6</u> hours from the following:

_____	BIO 306	3	Introduction to Bioinformatics
_____	BIO 312	4	Cellular and Molecular Biology
_____	BIO 393	2-4	Practicum
_____	BIO 432	4	Developmental Biology
_____	BIO 450	2-4	Directed Research
_____	BIO 462	4	Molecular Genetics
_____	BIO 472	4	Histology

Select at least an additional <u>6</u> hours from the following:

_____	BIO 306	3	Introduction to Bioinformatics
_____	BIO 312	4	Cellular and Molecular Biology
_____	BIO 345	3	Evolution and the Nature of Science
_____	BIO 393	2-4	Practicum
_____	BIO 432	4	Developmental Biology
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_____	BIO 472	4	Histology
_____	EXS 306	3	Physiology of Exercise
_____	EXS 316	3	Applied Nutrition
_____	EXS 381	3	Kinesiology
_____	HPH 310	3	Cardiorespiratory Physiology & Chronic Disease
_____	HPH 315	3	Pathophysiology of Immunological and Metabolic Chronic Diseases
_____	HPH 320	3	Neuromuscular Physiology and Chronic Disease
_____	PBH 100	3	Introduction to Public Health
_____	PBH 335	4	Environmental Health
_____	PHI 311	3	Medical Ethics
_____	SUS 315	4	Sustainable Food Systems and Health

Recommended Courses

CHE 312	4	Organic Chemistry II
NAS 230	2	Health Education for Behavior Change
NAS _70	1	Special Topics *(approved by advisor)*

Pre-Physician Assistant

_____	BIO 210	3	Medical Terminology
_____	BIO 471	4	Microbiology and Immunology
_____	CHE 211	4	College Chemistry I
_____	CHE 212	4	College Chemistry II
_____	CHE 311	4	Organic Chemistry I
_____	CHE 312	4	Organic Chemistry II
_____	CHE 411	3	Biochemistry I
_____	MAT 210	4	Introductory Statistics
_____	PSY 250	3	Life Span Development

Select <u>one</u> course from the following:

_____	SOC 100	3	Introduction to Sociology
_____	SOC 210	3	Contemporary Social Issues
_____	SOC 220	3	Ethnic and Minority Issues

Select at least <u>6</u> hours from the following:

_____	BIO 306	3	Introduction to Bioinformatics
_____	BIO 312	4	Cellular and Molecular Biology
_____	BIO 393	2-4	Practicum
_____	BIO 432	4	Developmental Biology
_____	BIO 450	2-4	Directed Research
_____	BIO 462	4	Molecular Genetics
_____	BIO 472	4	Histology

Select at least an additional <u>6</u> hours from the following:

_____	BIO 306	3	Introduction to Bioinformatics
_____	BIO 312	4	Cellular and Molecular Biology
_____	BIO 345	3	Evolution and the Nature of Science
_____	BIO 393	2-4	Practicum
_____	BIO 432	4	Developmental Biology
_____	BIO 450	2-4	Directed Research
_____	BIO 462	4	Molecular Genetics
_____	BIO 472	4	Histology
_____	EXS 306	3	Physiology of Exercise
_____	EXS 316	3	Applied Nutrition
_____	EXS 381	3	Kinesiology
_____	HPH 310	3	Cardiorespiratory Physiology and Chronic Disease
_____	HPH 315	3	Pathophysiology of Immunological and Metabolic Chronic Diseases
_____	HPH 320	3	Neuromuscular Physiology and Chronic Disease
_____	PBH 100	3	Introduction to Public Health
_____	PBH 335	4	Environmental Health
_____	PHI 311	3	Medical Ethics
_____	SUS 315	4	Sustainable Food Systems and Health

Recommended Courses

NAS 230	2	Health Education for Behavior Change
NAS _70	1	Special Topics *(approved by advisor)*
PHY 203	4	General Physics I

Total Major Hours Required: 83-90

Language Requirement for BA Degree *– Complete four courses in one language option.*

☐ Spanish ☐ Hebrew ☐ Greek ☐ French ☐ Chinese ☐ Korean ☐ Other:_____

_____	____	101	4	Elementary I	_____	GRK 201	4	Elementary New Testament Greek	_____	HEB 211	3	Elementary Old Testament Hebrew I
_____	____	102	4	Elementary II	_____	GRK 202	4	Elementary New Testament Greek	_____	HEB 212	3	Elementary Old Testament Hebrew II
_____	____	201	3	Intermediate I	_____	GRK 301	3	Greek Grammar and Syntax	_____	HEB 311	3	Hebrew Syntax and Lexicography
_____	____	202	3	Intermediate II	_____	GRK 302	3	Exegesis of the Greek New Testament	_____	HEB 312	3	Hebrew Exegesis

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Degree Requirements

- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All foundational core, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.