



B.S.in Biology

Name _____
 Student ID _____
 Date _____

TRANSFORMATIONAL JOURNEY PROGRAM (TJP)

First Year Experience (3 credits)

___ FYS110 First Year Seminar

Faith and Ethics (9 credits)

- ___ THL105 Introduction to Theology
- ___ PHL130 Human Nature & Person
- ___ Second THL*

Scientific Problem Solving (4 credits)

___ BIO, CHE, ENV or PHY with lab*

Quantitative Problem Solving (4 credits)

___ Mathematics (MAT 145 or place 215+)

Civics Problem Solving (3 credits)

One of the following courses:

- ___ BUS109 Business Plan Competition
- ___ ECN200 Introductory Economics
- ___ EGR317 Engineering Economics
- ___ HIS100 Civics and Democratic Engagement

Communication (6 credits)

- ___ ENG112 Writing and Community
- ___ COM101 Public Speaking

Cultural and Global Awareness (6 credits)

___ World Language (determined by placement)

One of the following courses:

- ___ GLS101 Global Perspectives
- ___ GLS220 Global Humanities

Health and WellBeing (6 credits)

___ HWB110 Holistic Health: Mind, Body, and Spirit

One of the following courses:

- ___ PSY101 General Psychology
- ___ PSY220 Human Growth and Development
- ___ SOC101 Introduction to Sociology

Broad Integrative Knowledge Outside Major**

- a. Completion of a minor
- b. Completion of a second major
- c. Completion of a Pathway

*Please refer to catalog or MUHUB Progress tab for a complete list of courses that meet these requirements.

**Please refer to catalog or MUHUB Progress tab for a description of acceptable major/minor options.

BIOLOGY MAJOR REQUIREMENTS (60 Total hours in Science)

Core Courses

___ BIO210/211L Principles of Biology I	4
___ BIO212/212L Principles of Biology II	4
___ BIO220/L Data Skills of Biologists	4
___ BIO291 Biology Career Seminar	1
___ Cellular Level Biology (BIO307, 315 or 340)	4
___ Organismal Level Biology (BIO323, 329, 350, 373, or 434)	3-5
___ Ecosystem Level Biology (BIO320, 321, 327, or 363)	3-4
___ CHE140/1 General Chemistry I	4
___ CHE142/3 General Chemistry II	4
___ CHE305 Organic Chemistry I	4
___ PHY110 General Physics I	4

At least 22 total BIO credits above 300 level

- ___ BIO 300-level elective
- ___ BIO 300-level elective
- ___ BIO 300-level elective
- ___ BIO 300-level elective

And

- ___ BIO, CHE, MAT, ENV, ESS, PBH, or PHY 200 level 5
- ___ BIO, CHE, MAT, ENV, ESS, PBH, or PHY 300 level 4

Total Earned Science Hours (60 required) _____

PLEASE NOTE MANY PROFESSIONAL PATHS REQUIRE SPECIFIC COURSEWORK (SEE BELOW) YOUR ADVISOR WILL BE ABLE TO

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Freshman Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	BIO 210/211	4	C	Major	BIO212/213	4	C
Major	CHE 140/141L	4		Major	CHE 142/143L	4	
TJP	FYS 110	3		TJP	ENG 112	3	
TJP	(Math)	3		TJP	HWB 110	3	