

B.S. in Biology, Concentration in Pre-Health Professional Biology
note: this check-sheet is only valid for JSU Catalog Fall 2021-2022 and later

Student: _____
Student ID # _____

Advisor: _____
Catalog Year: _____

University Core Curriculum

First Year Experience (0 hr.)

Not required for transfer students

STU 101 (0) ☐

Area I – Written Comp (6 hrs.)

Select one by placement

EH 101 (3) ☐

EH 102 (3) ☐

EH 103 (3) ☐

EH 104 (3) ☐

EH 105 & EH 115

EH 106 & EH 116

(3) ☐

(3) ☐

Area III – Nat. Science & Math (11 hrs.)

A grade of "C" or better is required in BY

BY 101 (3) ☐

BY 103(1) ☐

BY 102 (3) ☐

BY 104 (1) ☐

MS 112 (3) ☐ or higher*

MS ____ () ☐

* **MS 204 does not satisfy math requirements for Area III**

Many professional schools require MS 125 and/ or MS

204. MS 113 is required for PHS 201.

Area II – Hum. & Fine Arts (12 hrs.)

Literature – sequence not required

(6 hrs. – choose two)

EH 201 (3) ☐

EH 219 (3) ☐

EH 202 (3) ☐

EH 220 (3) ☐

EH 203 (3) ☐

EH 231 (3) ☐

EH 204 (3) ☐

EH 232 (3) ☐

Fine Arts (3 hrs. – choose one)

ART 111 (3) ☐

DR 242 (3) ☐

ART 112 (3) ☐

EH 251 (3) ☐

ART 202 (3) ☐

FLM 230 (3) ☐

MU 233 (3) ☐

Speech (3 hrs.)

EH 141 (3) ☐

Area IV – History, Social, & Behavioral Sciences (12 hrs.)

History (6 hrs. – sequence required)

HY 101 (3) ☐ & HY 102 (3) ☐ or

HY 201 (3) ☐ & HY 202 (3) ☐ or

HY 111 (3) ☐ & HY 112 (3) ☐

Social & Behavioral Sciences[†]

(6 hrs. – choose two)

AN 224 (3) ☐

PSC 100 (3) ☐

EC 221 (3) ☐

PSC 101 (3) ☐

EC 222 (3) ☐

PSY 201 (3) ☐

GY 120 (3) ☐

PSY 222 (3) ☐

GY 220 (3) ☐

SY 221 (3) ☐

SY 223 (3) ☐

[†] PSY 201 & SY 221 are strongly recommended.

Biology Major Curriculum

A grade of "C" or better is required in biology courses.

Support Courses (30 hrs.)

CY 105 (3) & CY 107 (1) ☐

CY 106 (3) & CY 108 (1) ☐

CY 231 (4) ☐

CY 232 (4) ☐

CS 201 (3) ☐

MS 113 (3) ☐ or higher MS ____ () ☐

PHS 201 (3) ☐ & PHS 203 (1) ☐

PHS 202 (3) ☐ & PHS 204 (1) ☐

PHS 211, 212, 213, & 214 also accepted.

Biology Core Courses (13 hrs.)

BY 322 (4) ☐ (WI)

BY 332 (4) ☐

BY 373 (4) ☐

BY 496 (1) ☐ (WI)

Group I Course (4 hrs.)

BY 434 (4) ☐

Group II Course (4 hrs.)

BY 320 (4) ☐

Biology Electives (10 hrs.)

Must be 300+ and ≥ 10 hrs. total

BY ____ () ☐ BY ____ () ☐

BY ____ () ☐ BY ____ () ☐

Suggested electives: BY 323, BY 402, BY 403, BY 413, BY 473, and BY 478.

General Electives (18 hrs.)

Additional coursework for a total of 120 hours is required. Recommended electives include CY 362, CY 363.

Depending upon Group I, Group II, and biology electives chosen above, be sure to select courses to total 36+ hours at the 300 level or above.

course (hours)

_____ () ☐

_____ () ☐

_____ () ☐

_____ () ☐

_____ () ☐

_____ () ☐

_____ () ☐

Additional Key Benchmarks

Graduation Requirements

120 total hours ☐

30 JSU hours ☐

36 300+ hours ☐

2.0 overall GPA ☐

2.0 JSU GPA ☐

"C" or better in BY courses ☐

EPP or CLA assessment ☐

Apply to Graduate ☐

First Destination Survey ☐

If not included in BY 496:

Biology MFAT Exam ☐

Dept. Head Exit Interview ☐

2 Writing Intensive Courses ☐

Additional Suggestions

Due to a great degree of variation in prerequisite requirements between

professional programs, students are encouraged to research requirements for the specific programs to which they plan to apply. These requirements change annually.

Students pursuing this concentration are strongly encouraged to combine this degree with one in chemistry.

Professional schools require a significant number of shadowing hours with professionals in the field, usually starting in the summer after the sophomore year. Students should consult early with members of the Pre-Health Professional Biology Committee chaired by Dr. Blair.