

This is a model pathway for students coming to HSU ready for calculus & choosing to take accelerated English composition (ENGL 104) to meet LD GE A1

Major: Biology

Concentration: Cellular & Molecular Biology

Degree: BS

Fall Review DARS & meet with your advisor each semester.

Description	Course	Units
LD GE A1 or A2 [1]	ENGL 104 or COMM 100	3
LD GE B: Physical & Major	CHEM 109	5
Major	BOT 105 or ZOOL 110	4
LD GE C1 or C2 [4]		3

Semester Total: 15

Spring Review DARS & meet with your advisor each semester.

Description	Course	Units
LD GE A1 or A2 [1]	ENGL 104 or COMM 100	3
LD GE B: Math [1] & Major	MATH 105 [5]	3
LD GE B: Life Forms & Major	BIOL 105	4
Major	CHEM 110	5

Semester Total: 15

Year 1

Fall Review DARS & meet with your advisor each semester.

Description	Course	Units
LD GE A3 [1]		3
LD GE C1 or C2 [4]		3
LD GE D [4]		3
Major	BOT 105 or ZOOL 110	4
Major	STAT 109	4

Semester Total: 17

Spring Review DARS & meet with your advisor each semester.

Description	Course	Units
LD GE C1 or C2 [4]		3
LD GE D [4]		3
Amer. Inst. [2] [LD GE D]		3
Major	PHYX 106	4

Semester Total: 13

Year 2

LD GE A: Basic Subjects & LD GE B: Math must be completed with C- or better & by 60 units earned.

Fall Complete a major contract. Apply to graduate.

Description	Course	Units
Major	PHYX 107	4
Major	BIOL 340	4
Major	CHEM 328 or CHEM 321[7]	4-5
Major Elective [6]	Physiology Elective	4

Semester Total: 16-17

Spring Take the GWPE.

Description	Course	Units
American Institutions		3
UD GE C or D [4]		3
UD GE B & Major	BIOL 307	4
Major or Elective	CHEM 322 [7] or Elective	4-5

Semester Total: 14-15

Year 3

Fall Review DARS & meet with your advisor each semester.

Description	Course	Units
GE E		3
Major	BIOL 410 or BIOL 412	4
Major	BIOL 440	2
Major	CHEM 438 or CHEM 431 [8]	4-5
Elective [Take 2 units for CHEM 438 (one-semester) option]		1-2

Semester Total: 15

Spring Register for commencement ceremony.

Description	Course	Units
UD GE C or D [4]		3
Major	BIOL 410 or BIOL 412	4
Major	BIOL 490 or BIOL 499	1-2
Major or Elective	CHEM 432 [8] or Elective	5
Elective [as needed to complete a total of 120 units]		1-2

Semester Total: 13-15

Year 4

Units for the major: 68-82

Total units: 120 units required for this BS degree

A1=Written Communication; A2 = Oral Communication; A3 = Critical Thinking; C1 = Arts; C2 = Humanities;
DCG = Diversity & Common Ground; GE = General Education; LD = Lower Division; UD = Upper Division; **See page 2 for notes.**

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Notes

(1) LD GE A: (Basic Subjects) & B (Math) must be completed with C- or higher & by 60 units earned.

(2) One American Institution course will also count for LD GE D.

(3) One science course must include a lab.

(4) DCG requirements may be met with major courses. Check with your major advisor.

(5) Prerequisite Math Code 50

[6] Take one of the following: BOT 310, ZOOL 310, or ZOOL 312.

[7] Select either the one-semester option CHEM 328 Brief Organic Chemistry or the one-year sequence of CHEM 321/322 Organic Chemistry. If CHEM 328 is selected, take an elective course in place of CHEM 322 in the spring semester of year 3.

[8] Select either the one-semester option CHEM 438 Introductory Biochemistry or the one-year sequence of CHEM 431/432 Biochemistry. If CHEM 438 is selected, take an elective course in place of CHEM 432 in the spring semester of year 4. Take elective units as needed to complete a total of 120 units.

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