



Suggested Four-Year Course Pathway Worksheet

B. A. (BACHELOR OF ARTS) IN BIOLOGY (starting in MATH 1101 or higher)

2024-2025 Bulletin

FALL SEMESTER	SPRING SEMESTER
FRESHMAN* (0 – 29 earned hours)	
<input type="checkbox"/> ETHS 1101 (PG3) – 2 hr. <input type="checkbox"/> ENGL 1101 (PG1) – 3 hr. <input type="checkbox"/> MATH 1101, 1221, or 2221 (<i>according to placement</i>) – 3-4 hr. <input type="checkbox"/> BIOL 1107 (PG2) – 3 hr. <input type="checkbox"/> BIOL 1107L (PG2) – 1 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. Min 15 HRS _____	<input type="checkbox"/> ETHS 1102 (PG3) – 1 hr. <input type="checkbox"/> ENGL 1102 (PG1) – 3 hr. <input type="checkbox"/> MATH 1114 (PG1) [‡] – 3-4 hr. <input type="checkbox"/> BIOL 1108 (PG2) – 3 hr. <input type="checkbox"/> BIOL 1108L (PG2) – 1 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. Min 15 HRS _____
SOPHOMORE (30 – 59 earned hours)	
<input type="checkbox"/> BIOL 2100 – 3 hr. <input type="checkbox"/> BIOL 2270 – 1 hr. <input type="checkbox"/> CHEM 1101 – 4 hr. <i>For full schedule select 2-3 from the following:</i> <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> Elective/minor course** _____ hr <input type="checkbox"/> Elective/minor course _____ hr Min 15 HRS _____	<input type="checkbox"/> BIOL 2200 – 3 hr. <input type="checkbox"/> CHEM 1102 – 4 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <i>For full schedule select from 2-3 from the following:</i> <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> Elective/minor course _____ hr <input type="checkbox"/> Elective/minor course _____ hr Min 15 HRS _____
JUNIOR (60 – 89 earned hours)	
<input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <i>For full schedule select 3-4 from the following:</i> <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. <input type="checkbox"/> Elective/minor course _____ hr. <input type="checkbox"/> Elective/minor course _____ hr. Min 15 HRS _____	<input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> BIOL 4470– 1 hr (take as jr or sr; offered every other year). <i>For full schedule select 3-4 from the following:</i> <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 hr. <input type="checkbox"/> Elective/minor course _____ hr. <input type="checkbox"/> Elective/minor course _____ hr. Min 15 HRS _____

Upper-level biology (BIOL 3XXX) requirement BA Biology: 8 courses in total; 1 organismal course, 1 cell/molecular course, 3 courses with lab, 3 courses with or without lab (see current bulletin for course categories and details and degree requirements). Currently, 2 BIOL 3XXX courses are offered per semester.

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SENIOR (90+ earned hours)	
<input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <i>For full schedule select 3 from the following:</i> <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> ETHOS course of choice _____ – 3 h <input type="checkbox"/> Elective/minor course _____ hr <input type="checkbox"/> Elective/minor course _____ hr Min 15 HRS _____	<input type="checkbox"/> BIOL 4470– 1 hr. (take as jr or sr; offered every other year) <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <i>For full schedule select 3 from the following:</i> <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> Upper level BIOL 3XXX _____ – 3-4 hr. <input type="checkbox"/> ETHOS course of choice _____ 3 hr. <input type="checkbox"/> Elective/minor course _____ hr <input type="checkbox"/> Elective/minor course _____ hr Min 15 HRS _____

General Education Credit Hours: 43..... Major Credit Hours: 43-48 Elective hours: 29-34.....Total credit hours 120**:

*The first semester is a transitional time for first year students, so we recommend 12-14 hours if possible. However, you must take on average 15 hours per semester to stay on track to graduate in 4 years. 18 hours is the maximum number hours one can take in a semester without an overload.

**Choose a minor or second major to reach 120 hours required for graduation.

- **For details regarding the specific courses and BA Biology major requirements, refer to the [LaGrange College Bulletin](#) or discuss with your advisor. Upper-level biology (BIOL 3XXX) requirement for BA Biology: 8 courses in total; 1 organismal course, 1 cell/molecular course, 3 courses with lab, 3 courses with or without lab (see current bulletin for course categories and details and degree requirements).**
- The B.S. degree is preparatory for pre-professional programs (medicine, dentistry, veterinary medicine, physical therapy, physician assistant, pharmacy, optometry, etc.) and graduate programs in life sciences fields.
- To be eligible for a degree, students must complete the required number of Collegiate Enrichment (CE) credits reflected in the Bulletin and maintain a minimum of a 2.0 GPA.

NOTES:

- You must take an average of 30 hours per year to reach the 120 credit hours required for graduation in 4 years; you may choose a second major, minor, or enroll in elective courses to reach the 120 hours required.
- Priority courses for each semester are listed for each semester on the table above. The courses listed under the ‘For a full schedule’ heading for each semester are courses that are required, but that have flexibility for when to enroll in them.
- For a list of Ethos courses and requirements, see the Ethos curriculum in the bulletin; PG# corresponds to the course categories in Ethos.
- For a list of upper-level biology courses as well as requirements for the BA Biology major consult the current bulletin.
- ‡MATH 1114 is the preferred MATH for Biology majors for PG1 applied math requirement.
- MATH 1101/testing into MATH 1101 is a co-requisite for BIOL 1107/1107L. A C- or better in BIOL 1107/1107/L is a pre-requisite for BIOL 1108/1108L. A C- or better in BIOL 1107/1107L and BIOL 1108/1108L are pre-requisites for all BIOL 3XXX and 4XXX courses.
- MATH 1101 is a pre-requisite course for CHEM 1101.
- The current LaGrange College bulletin supersedes this worksheet if differences between this document and the bulletin arise.