

Biology Sc.B. Pre-Planning Worksheet (20 courses)

Part A: 7 Background Courses

Course	Semester	Tag
MATH 0090		Pre-Req
STATS/MATH 0100		Pre-Req
CHEM 0330		Pre-Req
CHEM 0350		Pre-Req
CHEM 0360		Pre-Req
PHYS 0030		Pre-Req
PHYS 0040		Pre-Req

Part B: 10 Core Courses

Course	Semester	Primary Tag*	Secondary Tag** (Add as "Comment")
***BIOL 1950		<i>Advanced Biology Course</i>	
***BIOL 1960		<i>Lab Course</i>	

Part C: 3 Track Courses

Course	Semester

*Tag options include: Pre-Req, Area 1, Area 2, Area 3, Lab Course, Advanced Biology Course, Capstone, Related Sciences

**Use this option for any courses that qualify for more than one tag.

***If not enrolling in BIOL 1950 or BIOL 1960, please note you must add 2 additional courses to complete the 10 courses and requirements within the core.

Useful ASK tips:

- When adding AP courses in ASK, please use the **Academic History** instead of manual addition to avoid the red warning.
- Please do not add BIOL 0200 if the equivalency is through a **placement test**.
- When adding CHEM courses, only add the course and not the corresponding lab (i.e. Only add CHEM 0330 and not CHEM 0330L).
- When adding BIOL 1950/BIOL 1960, you may choose it as **capstone** or **research**, but if it is used to fulfill an advanced level course or lab, it must be noted as a comment as well.
- Only add tag one course as Area 1, 2, or 3, and any additional may be labeled as core course.
- Only label it as a core course if there is no other requirement being fulfilled by the course.

Biology Sc.B. Worksheet Instructions

Part A: Background Courses

Course	Approved Substitutions
MATH 0090	AP / IB Placement or MATH 0050 & 0060 combined (successful completion of MATH 0100 confers retroactive placement)
STATS/MATH 0100	Approved STATS course or AP/ IB Placement for MATH 0100
CHEM 0330	IB - HL (Chemistry) score of 6 or 7
CHEM 0350	No substitutions
CHEM 0360	BIOL 0280 may substitute
PHYS 0030/0050	See PHYS department guidelines for AP/ IB credit. ENGN 0040 may substitute
PHYS 0040/0060	ENGN 0510 may substitute

Part B: These are selected from within BIOL/NEUR course offerings. Chosen courses must meet the following 6 requirements:

1. **BIOL 0200:** This requirement may be satisfied by either AB/IB credit OR a passing score on the Biology placement exam. BIOL 0200 confers lab credit. The other options do not.
2. **Three laboratory/fieldwork courses:** Must be BIOL/NEUR or CPSY 1195.
3. **Two BIOL/NEUR courses above the 1000 level**
4. **One course from each of three Areas**
 - a. Area 1: BIOL 0280, 0470, 0500, 0510, 0530, 1050, 1310, 1515, 1810, 1820,1865, NEUR 1020
 - b. Area 2: BIOL 0410, 0440, 0800, 1120, 1155, 1310, 1330, 1505, 1820,1865, NEUR 0010
 - c. Area 3: BIOL 0210, 0380, 0410, 0420, 0430, 0450, 0480, 1515,1880, ENVS 0490, ENVS/EEPS 1300A, ENVS 1775
5. Please note: A course may satisfy more than one of these requirements simultaneously. For example, a single course may satisfy a lab and an area requirement if it qualifies for each.

6. Two semesters of research preferably related to the track. Options for satisfying the research requirement include:

- Research for course credit at Brown via BIOL 1950/1960 (or other relevant departmental research courses such as CHEM 0970/0980 & NEUR 1970); each semester of research can be counted as either ONE lab or ONE 1000+ course towards core.
- Advisor-approved research conducted over summer via UTRA or equivalent at another institution. Each summer research experience will count towards one semester of research.

PLEASE NOTE: Away or summer projects do NOT count towards the Core and must be replaced by additional courses to make up difference.

7. Study Abroad Credit Policy for Biology Concentrations

For Health and Human Biology, Biology, and Biophysics, up to four study abroad credits per term may count toward the concentration if deemed relevant and approved by concentration advisors. All credits are subject to University transfer and equivalency review through The College.

Part C: Track Courses

Three approved courses from one of the following tracks. Selections should form a cohesive grouping and be approved by the concentration advisor and/or Assistant Dean of Biology, Toni-Marie Achilli. At least 2 (ideally 3) MUST be above the 1000 level.

- BMIN - Biomedical Informatics
- CEMB - Cell and Molecular Biology
- EBIO - Ecology, Evolution and Organismal Biology
- IMMU - Immunobiology
- NBIO - Neurobiology
- PHBI - Physiology and Biotechnology
- PHSC - Physical Sciences

**Some courses might be inactive during the current academic year. Please refer to [Courses@Brown](#) and [BUE Course Offerings](#) for further references.*

Links to current course listings:

- Approved Lab Courses
- Area Courses
- Approved Track Courses
- Related Sciences

For additional questions or considerations, please consult with your Concentration Advisor or Associate Dean of Biology Education, Toni-Marie Achilli.