

## Worksheet for Program in Sc.B. Biology

<b>Name:</b>	<b>Advisor:</b>
<b>Expected Graduation Date:</b>	See BUE website at <a href="https://www.brown.edu/academics/biology/undergraduate-education/undergraduate/biology-scb">https://www.brown.edu/academics/biology/undergraduate-education/undergraduate/biology-scb</a> for more detailed information

### Part A: 7 Background Courses

	Completed (√)	AP or equiv (√)	Notes
MATH 0090			Or equivalent placement; MATH 0050 plus 0060 can substitute for 0090
MATH 0100 or 0170			Or equivalent placement. Statistics course may sub for 0100, MATH 0180 or higher can serve as related science course in Core
CHEM 0330			
CHEM 0350			
CHEM 0360 or BIOL 0280			If BIOL 0280 is used here, it cannot be used to fulfill any requirement of Part B or C, including area requirement
PHYS 0030, 0050 or 0070			ENGN 0030 may substitute
PHYS 0040 or 0060			ENGN 0040 may substitute

### Part B: 10 Core Courses\*

	Completed (√)
1) BIOL 0200 or equivalent	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
9) <i>BIOL 1950</i> <sup>†</sup>	
10) <i>BIOL 1960</i> <sup>†</sup>	

### Your 10 Core Courses must include:

<b>Lab/Fieldwork Courses:</b>	<b>1)</b>	<b>2)</b>	<b>3)</b>
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**NOTE: Some Core courses may simultaneously fulfill Lab, >1000+ and/or Area requirements**

<b>1000-Level BIOL or NEUR:</b>	<b>1)</b>	<b>2)</b>
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**Example: BIOL 0470 is an Area 1 AND a Lab Course.  
See notes on BIOL 1950/1960 below**

<b>ONE of each Area course:</b>		<b>Choices by Area:</b>
<b>Area 1 Course is:</b>		BIOL 0280, 0470, 0500, 0510, 0530, 1050, 1310, 1515, 1810, 1865; NEUR 1020
<b>Area 2 Course is:</b>		BIOL 0400, 0410, 0440, 0800, 1120, 1155, 1310, 1330, 1800, 1865, 1880, 1885; NEUR 0010
<b>Area 3 Course is:</b>		BIOL 0210, 0350, 0380, 0410, 0420, 0430, 0480, 0940F, 1480, 1515, 1800, 1820, 1880; ENVS 0490

**<sup>†</sup> Research experience: Two semesters of research, or the equivalent, are required. Students are encouraged to pursue research related to their track and can fulfill this requirement by one of the following:**

1. 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
2. Advisor-approved research conducted over summer via UTRA or equivalent at another institution. PLEASE NOTE: Away or summer projects do NOT count towards the Core and must be replaced by additional courses to make up difference

\* Core may include up to 2 "related science" courses. See examples at <https://www.brown.edu/academics/biology/undergraduate-education/undergraduate/biology-scb>

\* Courses that do NOT carry Biology concentration credit: those numbered <0100; and BIOL 0920, 1920, 1980 and those >3000

### Part C: Advanced Thematic Track, 3 Additional Courses

The Track consists of three ADDITIONAL courses beyond the core that form a cohesive group in a subdiscipline of the biological sciences. At least two track courses, and preferably all three, must be above 1000-level and be approved by the concentration advisor and/or Associate Dean of Biology, Katherine Smith. There are eight tracks offered; see below for suggested advanced coursework within tracks.

<b>TRACK is</b>		<b>BMIN (Biomedical Informatics)</b>	BIOL 1565 required; plus two additional courses from BIOL 1555, 1575, 1595
		<b>CEMB (Cell and Molecular Bio)</b>	BIOL 1050, 1270, 1300, 1310, 1330, 1540, 1545, 1810, 1865, 1970
		<b>EBIO (Ecology and Evolutionary Bio)</b>	BIOL 1420, 1430, 1435, 1440, 1450, 1465, 1470, 1480, 1495, 1515, 1800, 1880, 1885
		<b>IMMU (Immunobiology)</b>	BIOL 1250, 1290, 1520, 1550, 1560, 1600
		<b>MAR (Marine Biology)</b>	BIOL 1440; GEOL 1100, 1110, 1120, 1130, 1240, 1330, 1580; ENVS 1445
		<b>NBIO (Neurobiology)</b>	BIOL 1100, 1110, 1190, 1260; NEUR listings 1000 level or above
		<b>PHBI (Physiology and Biotechnology)</b>	BIOL 1090, 1100, 1110, 1120, 1140, 1150, 1155, 1160, 1190, 1260, 1300
		<b>PHSC (Physical Sciences)</b>	Coherent set of courses drawn from Physical Sciences; above introductory level and advisor approved

Revised 2/09/2020