

Worcester State University Bachelor of Science in Biology Academic Plan

For Becker College Undergraduate Biology Students

CURRENT BECKER COLLEGE JUNIOR STUDENTS

Current junior Becker College Biology students who will achieve senior status by the end of the spring 2021 semester in good academic standing are guaranteed enrollment in the Worcester State University Biology program at the senior level. The following academic plan is specifically designed for current Becker College junior students who will enter the Worcester State University Biology program at the senior level. Satisfactory completion of the Becker College first-, second-, and third-year curriculum in Biology will guarantee students 90 credits in transfer to WSU. Students will then follow the following degree requirements and timeline to finish their degrees at Worcester State University.

Fall 2018 – Becker College: 14 credits

Biology I	BIOL 1001	4	WSU BI 141 (4)
Chemistry I	CHEM 1001	4	WSU CH 120 (4)
Composition and the Agile Mindset	CORE ENGL	3	WSU EN 101 (3)
College Algebra OR Pre-Calculus and Functions	MATH 1200 or MATH 2001	3	WSU MA 180 (3) WSU MA 1xx ¹

Spring 2019 – Becker College: 14 credits

Biology II	BIOL 1002	4	WSU BI 140 (4)
Chemistry	II CHEM 1002	4	WSU CH 121 (4)
Managing Transitions	CORE 1001	3	WSU TR 1xx
Behavioral or Social Science Elective	Elective	3	LASC (HBS)

Fall 2019 – Becker College: 16 credits

Genetics	BIOL 3500	3	WSU BI 2xx (3) ⁵
Organic Chemistry I	CHEM 2100	4	WSU CH 201 + CH 203 (5)
Writing About Literature	ENGL 1003	3	WSU EN 105 (3)
Pre-Calculus and Functions OR Calculus I	MATH 2001 or MATH 2202	3	WSU MA 1xx or MA 202 (4)
Open Elective	Elective	3	WSU TR 1xx

Spring 2020 – Becker College: 16 credits

Biostatistics	BIOL 3200	3	WSU BI 3xx (3)
Developing and Entrepreneurial Mindset	CORE 3100	3	WSU BA 2xx
Humanities/Fine Arts	Elective	3	LASC (ICW)
Science Elective 3000+	Elective	3	LASC (NSP)
Science Elective with Lab	Elective	4	LASC (LAB)

Fall 2020 – Becker College: 14 credits

Biological Chem OR Biochemistry	BIOL 3003 or CHEM 3003	3	WSU BI 3xx (3)
Physics I	PHYS 2001	4	WSU PY 221 (4)
Open Elective	Elective	3	WSU TR 1xx
Science Elective with Lab	Elective	4	LASC (LAB)

Spring 2021 – Becker College: 16 credits

Cell Biology	BIOL 3001	3	WSU BI 3xx (3)
Research Methods in Science	BIOL 4001	3	WSU BI 205 (3)
Science Elective with Lab (2000+)	Elective	4	WSU TR 2xx
Open Elective	Elective	3	WSU TR 1xx
Science Elective 3000+	Elective	3	WSU TR 3xx

Fall 2021 – Worcester State University: 15 credits

BI-3XX+	300 or 400 Major Elective Lab	4
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LASC	Elective (USW) ²	3
General Elective		3

Spring 2022 – Worcester State University: 16 credits

BI-3XX+	300 or 400 Major Elective Lab	4
BI-404	Biology Seminar ⁴	2
SELECT	Additional Science	4
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Becker College Total Credits:	90
Worcester State University Total Credits:	31
Total Degree Credits	121

Notes:

- All students will have their transcripts reviewed; as a result, individual students may be handled on a case-by-case basis.
- Students must obtain a C- or higher in all Biology and Chemistry courses that serve as prerequisites for other Biology courses.
- Pre-med and Graduate school candidates should also take CH-203 & CH-204 in addition to CH-201 and CH-202. 200 level Biology courses may be taken in any order.
- Physics Requirements: PY-221 & PY-222 OR PY-241 & PY-242 satisfies LASC NSP.
- BI-161/BI-162 cannot substitute for BI-200.
- All biology core courses must be completed before taking BI-404 (BI-140, BI-141, BI-200, BI-202, BI-203, BI-204).
- A minimum of 120 credits is required for graduation.

¹ Will satisfy Biology Precalculus requirement² LASC courses can be taken in any order³ 200-level Bio course can be taken in any order⁴ Senior Seminar has all 4 200-level Biology courses as a prerequisite⁵ Will count as BI 203 if additional lab is taken.

Biology Electives

<u>Becker Course Name</u>	<u>Number</u>	<u>Credits</u>	<u>WSU Equivalent</u>
Microbiology	BIOL2502	4	BI 206 (Will satisfy Microbiology req)
Anatomy and Physiology I	BIOL2503	4	BI 161
Anatomy and Physiology II	BIOL2504	4	BI 162
Developmental Biology	BIOL3100	4	BI 306

Biotechniques	BIOL4200	3	BI 3xx
Organic Chemistry II	CHEM2101	4	CH 202+204
Introduction to Forensics	FORE 2001	4	BT 101
Physics II	PHYS2002	4	Satisfies Physics 2 req
Developmental Biology	BIOL3100	4	BI 306
Biostatistics	BIOL3200	3	Will satisfy MA 150 Req
Primatology	BIOL3201	3	BI 333
Exercise Physiology	EXSC3300	4	BI 3xx