

4-Year Academic Plan Guidelines and Template

Department: Biology (starting with MATH 111 and assuming MATH 111 becomes a prerequisite for CH 221) (pre-health profession students will need a modified schedule)

Degree, Major: BS/BA in Biology

YEAR 1

FALL COURSES	CREDITS	MILESTONES
MATH 111	4	Math and General Chemistry should be a priority during year 1
WR 121	4	
CH 111	4	Ideal for solid preparation for CH 221
Gen Ed	4	Gen Ed = Arts and Letter (>1) or Social Science (>2); science group classes (>3) are completed through completing GS major requirements
TOTAL	16	

WINTER COURSES	CREDITS	MILESTONES
CH 221	4	
CH 227	2	
MATH 112	4	
WR 122 or 123	4	
TOTAL	14	

SPRING COURSES	CREDITS	MILESTONES
CH 222	4	
CH 228	2	
MATH 246/251	4	
Gen Ed + MC	4	MC = multicultural classes, these can overlap with the Gen Ed classes
TOTAL	14	

YEAR 2

FALL COURSES	CREDITS	MILESTONES
CH 223	4	Ideally, Gen CH should be completed by the end of this term
CH 229	2	
BI 211	4	BI sequence should be started 2 nd year either fall or winter term
Gen Ed + MC	4	
TOTAL	14	

WINTER COURSES	CREDITS	MILESTONES
BI 212	4	
MATH 247/252	4	Ideal to complete calc II during second year, stats is also highly recommended (in an elective spot)
Gen Ed	4	
Gen Ed	4	
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
BI 213 or 214	4	GCH 223 must be completed before starting BI 214
Gen Ed	4	
Gen Ed	4	
MAPS*	4	*Modelling, Analysis, Programming & Statistics within or approved outside dept.

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YEAR 3

FALL COURSES	CREDITS	MILESTONES
BI 213 or 214	4	All lower division BI classes should be completed by the end of 3ed year fall term
CH 331	4	Pre-med students will need additional organic chemistry classes
BI 3XX	4	One upper division BI class this term and 2 every remaining term. See BI advising site for specifics on BI class requirements.
Elective	4	Consider Research (BI 401), Internship (BI 409), or Teaching (BI 402) depending on career plans.
TOTAL	16	

WINTER COURSES	CREDITS	MILESTONES
BI 3XX	4	
BI 3XX or 4XX	4	Students should not procrastinate on the 420-499 requirement as these classes can be hard to get into, scheduling more than one per term can be tricky.
CH 335	4	
Elective	4	
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
BI 3XX	4	
BI 3XX or 4XX	4	
Elective	4	
UD Elective	4	UD = upper division (300 or 400) all student need to take 62 UD credits
TOTAL	16	

YEAR 4

FALL COURSES	CREDITS	MILESTONES
BI 4XX	4	
BI 3XX	4	
PHYS 201	4	Physics and Organic chemistry sequences can be swapped by non-pre med students
UD Elective	4	Pre-med students will need Biochemistry (CH 360 or CH 461)
TOTAL	16	

WINTER COURSES	CREDITS	MILESTONES
BI 4XX	4	
BI 3XX	4	
PHYS 202	4	
Elective	4	
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
BI 4XX	4	
BI 3XX	4	
PHYS 203	4	
TOTAL	12	