

4-Year Academic Plan Guidelines and Template

Department: Biology (MATH 251/246 Honors General Biology sequence, pre-med, BI Departmental Honors)

Degree, Major: BS/BA in Biology with Departmental Honors

YEAR 1

FALL COURSES	CREDITS	MILESTONES
MATH 246 or 251	4	Math and General Chemistry should be a priority during year 1
CH 221	4	
CH 227	2	
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	14	

WINTER COURSES	CREDITS	MILESTONES
MATH 247 or 252	4	
CH 222	4	
CH 228	2	
WR 121	4	
TOTAL	14	

SPRING COURSES	CREDITS	MILESTONES
CH 223	4	
CH 229	2	
WR 122 or 123	4	
Gen Ed + MC	4	MC = multicultural classes, these can overlap with the Gen Ed classes
TOTAL	14	

YEAR 2

FALL COURSES	CREDITS	MILESTONES
BI 281H	5	Honors Biology requires B- or better in gen chem and math classes
CH 331	4	See CH department about CH/BIC minor requirements
CH 337	3	Not required for BI major but common requirement for med school
Gen Ed literature (>1)	4	Many med schools require a full year of writing classes (not just WR 121 and 122)
TOTAL	16	

WINTER COURSES	CREDITS	MILESTONES
BI 282H	5	
CH 335	4	
CH 338	3	Not required for BI major but common requirement for med school
Gen Ed +MC	4	
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
BI 283H	5	
CH 336	4	Not required for BI major but common requirement for med school, prerequisite for Biochemistry CH 360 or CH 461
Gen Ed	4	
Gen Ed	4	
TOTAL	16	

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YEAR 3

FALL COURSES	CREDITS	MILESTONES
PHYS 201	4	
PHYS 204	2	Not required for BI major but common requirement for med school
CH 360 or CH 461	4	Not required for BI major but common requirement for med school (and approved for BI major as out of department class)
BI 3XX	4	See BI advising site for specifics on BI class requirements.
TOTAL	14	

WINTER COURSES	CREDITS	MILESTONES
PHYS 202	4	
PHYS 205	2	Not required for BI major but common requirement for med school
BI 3XX or BI 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.
MAPS*	4	*Modelling, Analysis, Programming & Statistics within or approved outside dept.
TOTAL	14	

SPRING COURSES	CREDITS	MILESTONES
PHYS 203	4	
PHYS 206	2	Not required for BI major but common requirement for med school
BI 320	4	common requirement for med school
Gen Ed	4	
TOTAL	14	

YEAR 4

FALL COURSES	CREDITS	MILESTONES
BI 403	1	Honors Thesis required for BI Honors
BI 4XX	4	
BI 3XX	4	
Elective	4	Med schools often require practical experience (internship credit can be earned for this)
BI 401	2	Research is required for BI honors and very nice for med school
TOTAL	15	

WINTER COURSES	CREDITS	MILESTONES
BI 403	2	Honors Thesis required for BI Honors
BI 4XX	4	
BI 3XX	4	
Elective	4	
BI 401	2	Research is required for BI honors and very nice for med school
TOTAL	16	

SPRING COURSES	CREDITS	MILESTONES
BI 403	1	Honors Thesis required for BI Honors
BI 4XX	4	
Elective	4	

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Elective	4	
BI 401	2	Research is required for BI honors and very nice for med school
TOTAL	15	