

Sample Schedule: B.S. in Biology

(for students who declared their major in Fall 2008 or later, and are on the 2002 or later General Education requirements)

Attached is a sample schedule for a student seeking a Bachelor of Science (B.S.) in Biology. Please note the following important points:

- ✚ **This schedule is only a starting point.** The sample schedule was created to assist you when meeting with your advisor(s) to plan coursework. It is more a “point of departure” than a “road map,” and should not be considered a substitute for meeting with your advisor(s). You may also attend summer session as a means of completing the coursework shown in the schedule.
- ✚ **The sample schedule is only a planning aid. It does not include all the requirements for a degree.** UHM students have an exceptional amount of freedom in crafting their own college experience, choosing from breadth of academic fields, and fulfilling degree requirements using a wide range of course offerings. This freedom invites students to explore connections between fields, engage in co-curricular activities, and develop unique combinations of majors, minors/certificates and their coursework in general. Because of this, it is impossible to provide you with a “one-size-fit-all” schedule. Nevertheless, if used wisely, it can provide you with an excellent starting point for your own, individualized academic plan.
- ✚ **You should meet regularly with a biology advisor/faculty and A&S academic advisors for specific details on the various requirements.** Students must be active partners in the advising process. This responsibility includes researching curricular and co-curricular opportunities, creating educational plans, and discussing those plans with your advisors. You are strongly encouraged to meet with advisors on a yearly basis to confirm that you are still on track.
- ✚ **Clarification of biology major requirements on the sample schedule:**
 - * Refer to the appropriate *Approved Courses for B.S. Biology Concentrations* list for courses that satisfy “BIOL Elective.” These major electives should be chosen with the aid and approval of the departmental advisor/faculty to provide a well-integrated and coherent program. The approved electives in a track/concentration must include one each from biochemistry, botany, microbiology, morphology & systematics, zoology, and a physiology course. In addition, directed research (BIOL 499) and one or more laboratory courses at 300 level of higher must be completed.
 - * Students must earn a grade of C (not C-) or higher in each course applied to the major, including related required courses.
 - * Approved courses /substitutions for the math, chemistry, and physics requirements:
 - CHEM 161/L & 162/L (*chemistry requirement*): CHEM 171/L or 181/L
 - MATH 215/216 (Calculus I and II): MATH 241/242 or MATH 251A/252A
 - ADDITIONAL MATH/STATISTICS: ECON 321, MATH 243, 304, 305, or NREM 310
 - PHYS 151/L & 152L (*physics requirement*): PHYS 170/L and PHYS 272/L
- ✚ **Placement/Assessment Exams:** Please keep in mind that certain courses (CHEM 161/161L and MATH 215/241/251A) require students to pass a placement/assessment exam. If you don't pass the CHEM 161/161L placement exam, you will take CHEM 151. If you don't pass the Math Assessment exam for at least MATH 215, you will take MATH 135 or 140. You would need to take additional CHEM or MATH depending on how you placed/assessed and will take summer school to catch up.

Sample Schedule for a Bachelor of Science in Biology

Fall 1	Cr	A	N	Spring 1	Cr	A	N	Summer 1	Cr	A	N
*\$ BIOL 171/171L (DB/DY)	4	4		*\$ BIOL 172/172L	4	4					
*\$ CHEM 161/161L (DP / BS req)	4	4		*\$ CHEM 162/162L (BS req)	4	4					
\$ MATH 215 (FS / BS req)	4	4	4	\$ MATH 216 (BS req)	3	3	3				
FW	3	3		FG-A (or B or C)	3	3					
				FG-B (or C or A)	3	3					
Fall 2				Spring 2				Summer 2			
* BIOL 265/265L	4	4	4	*\$ BIOL 275/275L	4	4	4				
*\$ CHEM 272/272L	5	5	5	*\$ CHEM 273	3	3	3				
**\$ PHYS 151/151L (BS req)	4	4		**\$ PHYS 152/152L (BS req)	4	4					
HSL 101 / A&S Elective	3	3		HSL 102 / A&S Elective	3	3					
Fall 3				Spring 3				Summer 3			
** BIOL 375/375L	4	4	4	BIOL Elective w/ Lab	4	4	4				
** PHYSIOLOGY	3	3	3	BIOL Elective	3	3	3				
** BIOL 402	4	4	4	ADDITIONAL MATH / STATISTICS	3	3	3				
HSL 201/ A&S Non-Intro Elective	3	3	3	DH (or DA or DL)	3						
DA (or DH or DL)	3			HSL 202/ A&S Non-Intro Elective	3	3	3				
Fall 4				Spring 4				Summer 4			
BIOL Elective	3	3	3	BIOL Elective	3	3	3				
BIOL Elective	3	3	3	BIOL 499	1	1	1				
MORPHOLOGY & SYSTEMATICS	3	3	3	DS	3						
DS	3			Elective	3						
A&S Elective	3	3		Elective	3						
				Elective	1						
Total credits after 8 semesters				Cr = credit hours for course(s); A = A&S credits; N = non-introductory A&S credits							
124				105				63			

Major requirements for the B.S. in Biology are noted in bold.

* These course need to be completed in the indicated semester to keep on track.

** These courses can be completed in the indicated semester or in the following year.

\$ These courses are usually offered in the summer.

Keep in mind of all course prerequisite(s). The above schedule assumes you take an A&S course to satisfy the BIOL Elective requirements.

This sheet must be used in conjunction with your *College Program Requirement* sheet as all requirements for a BS degree are not included. Actual credit counts vary depending on actual registration.

Note: HAW as H/SL cannot be used towards A&S credit requirements for students on the 2008-2009 College Program Requirements or later.