

<b>Department:</b>	<b>Biology</b>
<b>Course Plan to Complete a:</b>	<i>B.S. in Integrated Biological Sciences</i>

[Biological Science \(B.S.\) Catalogue](#)

Year 1							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
BCOR	011	Exploring Biology	4	BCOR	012	Exploring Biology	4
CHEM	031	General Chemistry I	4	CHEM	032	General Chemistry II	4
MATH	019 (or 021)	Fundamentals of Calculus I	3	MATH	020 (or 022)	Fundamentals of Calculus II	3
		TAP Seminar	3			D1 Diversity	3
			14				14
Year 2							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
STAT	141	Basic Statistical Methods	3	BCOR	101	Genetics	3
BCOR	102	SU: Ecology and Evolution	4	BCOR	103	Molecular & Cell Biology	4
CHEM	141	Organic Chemistry I	4	CHEM	142	Organic Chemistry II	4
		Distribution	3			D2 - Diversity (Non-European Cultures Course)	3
						Distribution	3
			14				17
Year 3							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
PHYS	011	Elementary Physics	4	PHYS	012	Elementary Physics	4
PHYS	021	Introductory Lab I	1	PHYS	022	Introductory Lab II	1
Biol	198	Undergraduate Research*	3			100-level Advanced elective	4
		200-level Advanced elective	3	Biol	298	Undergraduate Research*	3
		Distribution	3			Distribution	3
			14				15
Year 4							
Fall				Spring			
Prefix	Course #	Course Name (catalogue)	Credits	Prefix	Course #	Course Name (catalogue)	Credits
		200-level Advanced elective	3			200-level Advanced elective	3
		200-level Advanced elective	4			200-level Advanced elective	4
		Distribution	3			Distribution	3
		Elective	3			Elective	3
		Elective	3			Elective	3
			16				16

**NOTES:**

Math 21/22 can substitute for Math 19/20.

\*Research not required but highly recommended; up to six credits can be applied toward the 26 credits of Advanced Electives

**Distribution Requirements: B.S. degrees in the College of Arts and Sciences will be required to complete the following:**

*Natural Sciences: two courses with labs from specific departments, as defined by the major.*

*Mathematical Sciences: Two courses as defined by the major requirements.*

*Social Sciences: Two 3-credit courses in social science disciplines*

●*In addition, B.S. degree students are required to complete course in TWO of the following THREE categories:*

*Fine Arts disciplines and Literature disciplines (two courses- one course in each area)*

*Foreign Language: two courses in the same foreign language*

*Humanities: two 3-credit courses in a humanities discipline*

**General Requirements:**

*One Diversity Category 1 course – minimum 3 credits*

*One Diversity Category 2 course from list of D2 Non-European Cultures courses – minimum 3 credits*

*One Sustainability Category course - minimum 3 credits*

*One Writing and Information Literacy course– minimum 3 credits*

*One Quantitative Reasoning course-minimum 3 credits*

>>A TAP course will satisfy UVM's Writing and Information Literacy requirement and might also count toward a distribution

>>>Sustainability courses and Diversity courses might also count toward a distribution

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