BIOLOGICAL SCIENCES BASIC PROGRAM, SUPPORTING COURSES, & CORE
INDIVIDUALIZED STUDIES BIVS (0404F)

A minimum of 120 credits earned and a 2.0 cumulative GPA is needed to meet University graduation requirements.
Major courses (Basic, Supporting, and Advanced) require a C- or better in each and a 2.0 average GPA.

1. BASIC PROGRAM 15 - 16 credits

Sem	Gr	Cr	
		4	BSCI105 Principles of Biology I *
		4	BSCI106 Principles of Biology II *
		3	BSCI207 Principles of Biology III *
		4	BSCI222 Principles of Genetics *
		1	Freshmen seminar UNIV100, GEMS100, HONR100, HLFC100, HEIP100 or ARHU105

*** These are required benchmark courses, see:**

http://bsci.umd.edu/benchmarks

2. SUPPORTING COURSES 32 credits

Sem	Gr	Cr	
		4	MATH130 OR MATH140 Calculus I *
		4	MATH131 OR MATH141 Calculus II *
		3	CHEM131 General Chemistry I *
		1	CHEM132 General Chemistry I lab *
		3	CHEM231 Organic Chemistry I *
		1	CHEM232 Organic Chemistry I lab *
		3	CHEM241 Organic Chemistry II *
		1	CHEM242 Organic Chemistry II lab *
		2	CHEM271 Gen Chem & Energetics *
		2	CHEM272 Bioanalytical Chem lab *
		4	PHYS131 OR PHYS141 Physics I
		4	PHYS132 OR PHYS142 Physics II

3. CORE General Education Requirements 27 – 33 credits

Fundamental studies math and CORE Math & Science are satisfied by the BSCI major requirements

Sem	Gr	Course	
			Fundamental Studies
			ENGL101 *
			Professional writing course (ENGL39X)
			Distributive Studies
			HL Literature
			HA Arts
			HO / HA / HL / IE Humanities Other / Interdisciplinary & Emerging Issues
			SH Social / Political History
			SB 1st Behavioral & Social Science
			SB 2nd SB / IE
			Advanced Studies 6 credits, 2 courses, 300 – 400 level, outside of major. Must be taken after 60 credits. 3 credits can be satisfied by approved Capstone (taken after 86 credits) or Honors Thesis
			Cultural Diversity may be a course that meets Distributive or Advanced Studies.

Summary of credits	
Required	Completed
Basic Program (15 – 16 cr.)	_____
Supporting Courses (32 cr.)	_____
CORE (27 – 33 cr.)	_____
Advanced Program (27 cr.)	_____
Elective	_____
Subtotal	_____
Duplicate credits Subtract from subtotal	_____
Total Credits (120 cr.)	_____

4. Options for Advanced Program Specialization Areas see reverse side for Advanced Program requirements

Cell Biology & Genetics	General Biology	Physiology & Neurobiology
Ecology & Evolution	Microbiology	**Individualized Studies**

NOTES:

Student name _____ UID_____

Advisor's signature _____ Date of audit _____

NOTE: The curriculum in Biological Sciences changes as faculty review and improve the program. The curriculum descriptions provided here are the latest versions. Your curriculum may look slightly different depending on when you declared the Biological Sciences major. Your academic advisor can provide you with the most accurate information on what curriculum you are following. Any questions can be referred to the Undergraduate Academic Programs Office, 301-405-6892.

updated 7/2015

BIOLOGICAL SCIENCES ADVANCED PROGRAM **INDIVIDUALIZED STUDIES 0404F**
Grade of C- or better required in each course **27 minimum required credits**

NOTE: This specialization requires permission of the Assistant Dean, Undergraduate Academic Programs, 1322 Symons Hall.

1. Required courses: 6 credits in biochemistry and/or quantitative coursework, approved by advisor

Sem	Gr	Cr	Course

2. BIVS Area courses: 21 credits approved by advisor

- Maximum of 4 credits at the 200-level
- At least 3 credits, but a maximum of 6 credits, from courses outside of CMNS, cannot double count as Advanced CORE
- Courses taken to satisfy Advanced CORE must support BIVS topic.
- At least two upper-level labs
- Lab courses offered as separate credit must be taken with lecture as co- or pre-requisite.
- Must include two credits for independent research paper related to BIVS topic, written under the direction of advisor.

Sem	Gr	Cr	Course		Sem	Gr	Cr	Course
Total BIVS Area credits_____								

Total credits in Advanced Program: _____

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