COLLEGE OF AGRICULTURAL & LIFE SCIENCES

Biology: Applied Biology

Bachelor of Science with Innovation Minor

Suggested Schedule*

FIRST YEAR

Semester 1 (Spring)		Semester 2 (Summer)	
MAC 2311 Analytic Geometry and Calculus I (GE-M)	4	CHM 2045 & CHM 2045L General Chemistry and Lab (GE-P)	4
State Core Humanities with Diversity (GE-H)	3	BSC 2010 & BSC 2010L Principles of Biology I and Lab (GE-B)	4
State Core Composition (GE-C, WR 6000)	3	Composition (GE-C, WR 6000)	3
Elective	2	PSY 2012 Introduction to Psychology (State Core GE-S)	3
IDS 1940 Creativity & Design Thinking for Innovation	2	IDS 1359 Innovation in Action	2
TOTAL	**14**	**TOTAL**	**16**

SECOND YEAR

Semester 3 (Spring)		Semester 4 (Summer)	
CHM2046 and CHM2046L General Chemistry II and Lab (GE-P)	4	STA2023 Statistics (3) (GE-M)	3
BSC2011 & BSC2011L Principles of Biology II and Lab	4	AEB2014 (3), ECO2013(4) OR ECO2023(4) (GE-S/CALS)	3-4
Elective (WR 4000)	3	Social and Behavioral with International (GE-S-N)	3
ENT3003 Principles of Entrepreneurship	4	Elective (If AEB2014 was selected, then 3 credits are needed, if ECO2013 or ECO2023 was selected, then 2 credits are needed.)	2-3
TOTAL	**15**	AEC3410 Fostering Innovation Through Leadership	3
		TOTAL	**14-16**

THIRD YEAR

Semester 5 (Spring)		Semester 6 (Summer)	
PHY2004 and 2004L Applied Physics I and Lab	4	MCB3020 and 3020L Biology of Microorganisms and Lab	4
CHM2200/2200L Organic Chemistry and Lab	4	AGR3303 Genetics	3
Applied Biology Elective	3	Applied Biology Elective	3
Applied Biology Elective	3	Applied Biology Elective	3
PHI 3641 Ethics and Innovation (GE-H, 2K)	3	Elective	2
TOTAL	**17**	**TOTAL**	**15**

FOURTH YEAR

Semester 7 (Spring)		Semester 8 (Summer)	
BOT3503 Physiology and Molecular Biology of Plants	3	BCH3025 Fundamentals of Biochemistry	4
PHY2005 and 2005L Applied Physics II and Lab	4	BSC4936 Critical Analysis of Biological Research	2
Applied Biology Elective	3	AEC3030C Effective Oral Communication (CALS)	3
Applied Biology Elective	3	Applied Biology Elective	3
AEC3033C Research and Business Writing for Agricultural and Life Sciences (CALS/WR 6000)	3	ENT4015 The Venture Accelerator or IDS4950 IA Senior Project	2
TOTAL	**16**	**TOTAL**	**14**

** For Detailed tracking and degree requirements please refer to the UF catalog. Course offerings are subject to change. Depending on ALEKS score (math placement), it is recommended that MAC1147 and CHM1025 are taken in the fall prior to your first spring term.*

TOTAL CREDITS TO DEGREE = 120-123

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Last Updated November 2024.