Undergraduate Programs Course Catalogs

NSU Course Catalogs and Course Descriptions

2015

BS in Biology 2015 curriculum

Nova Southeastern University

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GENERAL EDUCATION REQUIREMENTS

Area/Course	Credits	Frequency
Written Composition		
6 credits at or above COMP 1500		
Open Written Communication	3	
Open Written Communication	3	
Mathematics		
6 credits at or above MATH 1040		
MATH 1250 Trigonometry	3	FW
MATH 2020 Applied Statistics	3	FW
Arts & Humanities		
6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA,		
FILM, MUSC, DANC, WRIT, foreign language		
Any LITR course	3	
PHIL Course from Major	3	
Social & Behavioral Sciences		
6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG,		
GEST, INST, POLS		
Open Social & Behavioral Sciences	3	
Open Social & Behavioral Sciences	3	
Science		
6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS		
BIOL 1500 Biology I	3	FW
CHEM 1300 General Chemistry I	3	FW
Total General Education Credits	**30**	

OPEN ELECTIVES

	Credits	
take 12 elective courses	36	
Total Open Electives Credits	**36**	

Frequency Key: F-Every Fall; W-Every Winter; FO - Odd Year Fall; FE - Even Year
Fall; WO - Odd Year Winter; WE - Even Year Winter

MAJOR

Course		Credits	Frequency
BIOL 1500 Biology I Lab		1	FW
BIOL 1510 Biology II/Lab		4	FW
BIOL 3600 Genetics/Lab		4	FW
CHEM 1300 General Chemistry I Lab		1	FW
CHEM 1310 General Chemistry II/Lab		4	FW
CHEM 2400 Organic Chemistry I/Lab		4	FW
CHEM 2410 Organic Chemistry II/Lab		4	FW
MATH 2100 Calculus I		4	FW
PHYS 2350 General Physics I/Lab	or	4	FW
PHYS 2400 Physics I/Lab		4	FW
PHYS 2360 General Physics II/Lab	or	4	FW
PHYS 2500 Physics II/Lab		4	FW
Select one 3000-level PHIL course from the following:			
PHIL 3010 Ethical Issues in Communication		3	W
PHIL 3180 Biomedical Ethics		3	FW
PHIL 3200 Ethics and Sport		3	F
PHIL 3220 Philosophy of Science		3	FW
PHIL 3360 Environmental Ethics		3	W
Total Major Credits		**34**	

MAJOR ELECTIVES

Course	Credits	Frequency
Select 20 credits from the following:		
Any 3000/4000-level BIOL course(s), excluding BIOL 3600*	3-4	
BIOL 2600 Medical Terminology	3	FW
CHEM 3650 Biochemistry/Lab	4	FW
MATH 2001 Introduction to Mathematical Models in	3	FE
Biology *or*		
MATH 2200 Calculus II	4	FW
Major Electives may include no more than 3 credits from the following:		
BIOL 4900 Special Topics in Biology	3	FW
BIOL 4950 Internship in Biology	3	FW
BIOL 4990 Independent Study in Biology	3	FW
Total Major Elective Credits	**20**	

TOTAL CREDITS: 120

Freshman Year

Fall		Winter	
Course	Credits	Course	Credits
Open Written Communication	3	Open Social & Behavioral Sciences	3
MATH 1250 Trigonometry	3	BIOL 1510 Biology II/Lab	4
Open Social & Behavioral Sciences	3	CHEM 1310 General Chemistry II/Lab	4
BIOL 1500 Biology I/Lab	4	MATH 2100 Calculus I	4
CHEM 1300 General Chemistry I/Lab	4		
Total Credits	**17**	**Total Credits**	**15**

Sophomore Year

Fall		Winter	
Course	Credits	Course	Credits
CHEM 2400 Organic Chemistry I/Lab	4	Open Written Communication	3
MATH 2020 Applied Statistics	3	BIOL 3600 Genetics/Lab	4
Any LITR course	3	CHEM 2410 Organic Chemistry II/Lab	4
Major Elective	4	Major Elective	3
		Elective	3
Total Credits	**14**	**Total Credits**	**17**

Junior Year

Fall			Winter		
Course		Credits	Course		Credits
PHYS 2350 General Physics I/Lab	*or*	4	PHYS 2360 General Physics II/Lab	*or*	4
PHYS 2400 Physics I/Lab		4	PHYS 2500 Physics II/Lab		4
PHIL course		3	Major Elective		3
Major Elective		4	Elective		3
Elective		3	Elective		3
			Elective		3
Total Credits		**14**	**Total Credits**		**16**

Senior Year

Fall		Winter	
Course	Credits	Course	Credits
Major Elective	3	Major Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3		
Total Credits	**15**	**Total Credits**	**12**

TOTAL CREDITS: 120