

BIOLOGY MAJOR				
First two years	State University of New York at Binghamton		Broome Community College	
Introductory Biology with labs	Biology 117 AND Biology 118	INTRODUCTION TO ORGANISMAL AND POPULATION BIOLOGY INTRODUCTION TO CELL AND MOLECULAR BIOLOGY	BIO 117 BIO 118	PRINCIPLES OF BIOLOGY I PRINCIPLES OF BIOLOGY II
Introductory Chemistry with labs	Chemistry 107 AND Chemistry 108	INTRODUCTORY CHEMISTRY I INTRODUCTORY CHEMISTRY II	CHM 145 + CHM 145L CHM146 + CHM 146L	GENERAL CHEMISTRY I + GENERAL CHEMISTRY I LABORATORY GENERAL CHEMISTRY II + GENERAL CHEMISTRY II LABORATORY
Organic Chemistry with lab	Chemistry 231 AND Chemistry 332 AND Chemistry 335	ORGANIC CHEMISTRY I ORGANIC CHEMISTRY II ORGANIC CHEMISTRY LABORATORY	CHM 245 + CHM 245L CHM 246 + CHM 246L	ORGANIC CHEMISTRY I + ORGANIC CHEMISTRY I LABORATORY ORGANIC CHEMISTRY II + ORGANIC CHEMISTRY II LABORATORY
Statistics	Mathematics 148* OR Biology 437	ELEMENTARY STATISTICS FOR BIOLOGISTS* BIOSTATISTICS	MAT 124*	STATISTICS I
Math and Physical Science electives	Mathematics 221	CALCULUS I	MAT 181	CALCULUS I
Electives most commonly taken (8 credits for the B.A., 12 credits for the B.S.)	Mathematics 222	CALCULUS II	MAT 182	CALCULUS II
	Physics 121	GENERAL PHYSICS I	PHY 161	PHYSICS I: MECHANICS AND HEAT
	Physics 122	GENERAL PHYSICS II	PHY 162	PHYSICS II: WAVE MOTION, ELECTROMAGNETISM, AND ATOMIC PHYSICS
	Physics 131	GENERAL PHYSICS I (CALCULUS BASED)	PHY 181	PHYSICS FOR ENGINEERS & SCIENTISTS I: MECHANICS AND THERMODYNAMICS
	Physics 132	GENERAL PHYSICS II (CALCULUS BASED)	PHY 182 PHY 281	PHYSICS FOR ENGINEERS & SCIENTISTS II: SOUNDS, LIGHT, ELECTRICITY AND MAGNETISM PHYSICS FOR ENGINEERS & SCIENTISTS III
*Starting Fall 2009, Biology majors at Binghamton are required to take a statistics course that was created for biology students. In the meantime, we are modifying some upper level biology courses to build on this specific statistics foundation. To allow for a transition, we will allow biology majors to transfer a general statistics course to be equivalent to Math 148 until Fall 2012.				
Disclaimer: This transfer equivalency guide outlines a plan of study that allows for efficient completion of the bachelor's degree. Admission to Binghamton University is competitive and satisfactory completion of equivalent courses or an associate's degree is not a guarantee of admission.				