

BIOLOGY SECONDARY EDUCATION MAJOR JACKSON CC TRANSFER GUIDE

BIOLOGICAL SCIENCES COURSES - A minimum of 36 credit hours; all courses **MUST** have the appropriate prerequisites met **BEFORE** enrollment. ***You MUST have a "C" or better in ALL BIOS classes,*** both to use as a prerequisite and to count for the major.

Required Core	Approved Substitute	Where taken other than WMU	Credit Hours	Grade Rec'd	Semester Taken or Comments
BIOS 1500	BIO 131	Jackson CC	4		
BIOS 1510			4		
BIOS 2020	BIO 151	Jackson CC	4		
BIOS 2300			3		
BIOS 2500			3		
BIOS 3010*			5		
BIOS 2320 or 3120			4 or 5		
BIOS 2400 or 3190* or 3500*			4 or 5		

BIOS Electives: A minimum of 3 credit hours from the following: 4270, 4300, 4390, 4410, 4420, 4560, 4980, 4990, 5240, 5250, 5260, 5340, 5360, 5470, 5490, 5530, 5570, 5590, 5600, 5610, 5740, 5970; **only 3 hr. may be 4980 or 4990.**

BIOS					
BIOS					
Methods Course: SCI 4040			3		

TOTAL _____

*Underline Baccalaureate Writing Requirement course: BIOS 3010, 3190, 3500 or approved substitute

REQUIRED COGNATES: (Students may want to consider electing a SED-Chemistry Minor along with this major)

MATHEMATICS - A minimum of 8 credit hours including a calculus course and a statistics course.

MATH 1220 or 2000	MTH 151	Jackson CC	4		
STAT 2600 or 3660	MTH 133	Jackson CC	4		
TOTAL			8		

CHEMISTRY - A minimum of 12 credit hours, including a course in organic chemistry.

CHEM 1100 & 1110	CEM 141	Jackson CC	3, 1		
CHEM 1120 & 1130	CEM 142	Jackson CC	3, 1		
CHEM 3700 & 3710			3, 1		
CHEM					

TOTAL 12

PHYSICS - Two courses in general physics with laboratories.

PHYS 1130 & 1140	PHY 231	Jackson CC			
PHYS 1150 & 1160	PHY 232	Jackson CC			

TOTAL _____

**NOTE: STUDENTS MUST SEE A CURRICULUM ADVISOR
 IN THE EDUCATION ADVISING OFFICE IN 2304 SANGREN HALL
 TO DISCUSS GENERAL AND COLLEGE OF EDUCATION REQUIREMENTS;
 YOU MUST ALSO SEE THE BIOLOGICAL SCIENCES UNDERGRADUATE
 ADVISOR IN 3447 WOOD HALL TO SET UP AN OFFICIAL MAJOR SLIP.**