

BIOLOGICAL SCIENCES DEPARTMENT
COLLEGE OF ARTS AND SCIENCES **WESTERN MICHIGAN UNIVERSITY**

BIOLOGY MAJOR – WASHTENAW CC TRANSFER GUIDE

BIOLOGICAL SCIENCES COURSES - A MINIMUM of 32 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
Introductory Level:					
BIOS 1500	BIO 103	Washtenaw CC	4		
BIOS 1510	BIO 227	Washtenaw CC	4		
BIOS 2500	BIO 208	Washtenaw CC	3		

Intermediate Level: You **MUST** pick **AT LEAST THREE** classes from the following list—**AT LEAST ONE** must be a writing intensive course (designated by the *): BIOS 2020, 2030, 2300, 2600, 3000, 3010*, 3120, 3190*, or 3500*.

BIOS					
BIOS					
BIOS					
BIOS					

Advanced Level: A **MINIMUM of 6 credit hours** at the 4000/5000 level taken from the following (only 3 hr. may be 4980 or 4990; **AND** 3 credits **MUST** come from the pre-approved list of Capstone courses, listed in **bold**): 4270, 4300, 4390, 4400, 4410, 4420, 4430, 4560, **4980, 4990, 5240, 5250, 5260, 5265, 5270, 5340, 5360, 5440, 5445, 5450, 5455, 5460, 5470, 5490, 5530, 5535, 5570, 5590, 5593, 5595, 5600, 5610, 5700, 5740, 5970.**

BIOS					
BIOS					
BIOS					

TOTAL 32 or more

REQUIRED COGNATES: Students **COULD** receive a minor in CHEM with 20 CHEM credits...see CHEM Advisor for details.

CHEMISTRY - A minimum of 16 credit hours, including a course in organic chemistry and biochem. with lab.

CHEM 1100 & 1110	CEM 111	Washtenaw CC	3, 1		
CHEM 1120 & 1130	CEM 122	Washtenaw CC	3, 1		
CHEM 3700 & 3710			3, 1		
CHEM					
CHEM 3550 & 3560			3, 1		

TOTAL

PHYSICS - Two courses in general physics with laboratories.

PHYS 1130 & 1140	PHY 235	Washtenaw CC	4, 1		
PHYS 1150 & 1160	PHY 245	Washtenaw CC	4, 1		

TOTAL

10

MATHEMATICS - A minimum of 8 credit hours starting at calculus level or above and a course in Statistics.

MATH 1220 or 2000	MTH 191 or 182	Washtenaw CC	4		
STAT 2600 or 3660	MTH 160	Washtenaw CC	4		

TOTAL

8

**NOTE: STUDENTS MUST SEE A CURRICULUM ADVISOR
 IN THE ARTS AND SCIENCES ADVISING OFFICE IN 2318 FRIEDMAN HALL
 TO DISCUSS GENERAL EDUCATION REQUIREMENTS;
 YOU MUST ALSO SEE THE BIOLOGICAL SCIENCES UNDERGRADUATE
 ADVISOR IN 3447 WOOD HALL TO SET UP AN OFFICIAL MAJOR SLIP.**