

BIOMEDICAL SCIENCES MAJOR JACKSON CC TRANSFER GUIDE

BIOLOGICAL SCIENCES COURSES - A minimum of 34 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 2110 | BIO 155 | Jackson CC | 4 | | |
| BIOS 2300 | | | 3 | | |
| BIOS 2500 | | | 3 | | |
| BIOS 3120 | | | 5 | | |
| BIOS 3500* | | | 5 | | |

BIOS Electives: 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 | | | <u>34 or more</u> | | |

* Baccalaureate Writing Requirement course: BIOS 3500 or approved substitute

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

CHEMISTRY - A minimum of 20 credit hours, including a course in organic chemistry and biochem. with lab.

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|------------------|---------|------------|-----------|--|--|
| CHEM 1100 & 1110 | CEM 141 | Jackson CC | 3, 1 | | |
| CHEM 1120 & 1130 | CEM 142 | Jackson CC | 3, 1 | | |
| CHEM 3750 & 3760 | | | 3, 1 | | |
| CHEM 3770 & 3780 | | | 3, 1 | | |
| CHEM 3550 & 3560 | | | 3, 1 | | |
| TOTAL | | | <u>20</u> | | |

PHYSICS - Two courses in general physics with laboratories.

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|------------------|---------|------------|-----------|--|--|
| PHYS 1130 & 1140 | PHY 231 | Jackson CC | 4, 1 | | |
| PHYS 1150 & 1160 | PHY 232 | Jackson CC | 4, 1 | | |
| TOTAL | | | <u>10</u> | | |

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

| | | | | | |
|-------------------|---------|------------|----------|--|--|
| MATH 1220 or 2000 | MTH 151 | Jackson CC | 4 | | |
| STAT 2600 or 3660 | MTH 133 | Jackson CC | 4 | | |
| TOTAL | | | <u>8</u> | | |

**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.**