

BACHELOR OF SCIENCE BIOMEDICAL SCIENCE

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN BIOMEDICAL SCIENCE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, REL 2309, SCI 2310, SLD 1300, 1310 SOC 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENG 1310 ENG 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, C SC 1322, 1325, ENG 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from REL 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ART 1300, FA 2310, MLH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENG 2330, HIST 1310, 1320, 2300, REL 2350, PSC 2350, SOC 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, PSC 2310, PSYC 1340, 2360, SOC 2300, <u>Health and Fitness</u> Select 2 hrs from H F 1210 H F 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN BIOMEDICAL SCIENCE (3-11 hours may also meet general education requirements)	
<u>BIOMEDICAL SCIENCE</u>	HOURS
BIMS 1300	3
BIOL 1301	3
BIMS 1101	1
BIOL 3410	4
BIOL 3430	4
BIOL 3460	4
BIMS 4000	0
BIMS 4320	3
BIMS 4120	1
BIMS 4250	2
BIMS 4201	2
BIOL 4101	1
Select 3 hrs from BIMS 4X91, 4X92	3
Select 9 hrs from BIOL or BIMS Any advanced course, KINE 3307, CHEM 3441, 3442, PSYC 4341, NURS 3410	9
SUBTOTAL HOURS	40
SUPPORTING COURSES	
CHEM 1410	4
CHEM 1420	4
CHEM 3410	4
CHEM 3420	4
PHYS 1410	4
PHYS 1420	4
Select 3-4 hrs from MATH 2421, 3351	3-4
TOTAL HOURS	67-68

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 32-33 of the catalog.

B.S. in BIOMEDICAL SCIENCE FALL	SPRING
<p>Freshman Year: BIOL 1301 Unicellular Organisms BIMS 1101 Unicellular Lab CHEM 1410 General Chemistry I MATH 1311 College Algebra</p> <p>We recommend completing math requirements as early as possible: Requirement for this major: MATH 2421 Calculus 1 OR MATH 3351 Statistics. Ability to succeed in college level algebra is required for General Chemistry I, and completion of MATH 1311 College Algebra is required to enroll in MATH 3351 Statistics and PHYS 1410.</p> <p>Total Biomedical Science & Math Hours: 11 hrs Total Recommended Gen Ed/Elective Hours: 3-6 hrs Total Hours Enrolled: 14-17 hrs</p>	<p>BIMS 1300 Intro. to Scientific Research CHEM 1420 General Chemistry II MATH 2421 Calculus I OR MATH 3351 Statistics</p> <p>Total Biomedical Science Hours: 10-11 hrs Total Recommended Gen Ed/Elective Hours: 3-6 hrs Total Hours Enrolled: 13-17 hrs*</p> <p>*Failure to successfully complete an average of at least 30 semester credit hours per year of courses required for the declared major will delay graduation. Failure to maintain a load of at least 12 semester credit hours in a semester will result in athletic ineligibility.</p>
<p>Sophomore Year: BIOL 3410 Microbiology (may be taken in Spring) BIOL 3460 Genetics CHEM 3420 Organic Chemistry I</p> <p>Total Biomedical Science Hours: 12 hrs Total Recommended Gen Ed/Elective Hours: 3 hrs Total Hours Enrolled: 15 hrs</p>	<p>BIOL 3430 Human Physiology CHEM 3420 Organic Chemistry II</p> <p>Total Biomedical Science Hours: 8 hrs Total Recommended Gen Ed/Elective Hours: 6-9 hrs Total Hours Enrolled: 14-17 hrs</p>
<p>Junior Year: BIOL 4320 Molecular & Cellular Biology BIMS 4120 Molecular & Cellular Biology Lab PHYS 1410 General Physics I</p> <p>Total Biomedical Science Hours: 8 hrs Total Recommended Gen Ed/Elective Hours: 6-9 hrs Total Hours Enrolled: 14-17 hrs</p>	<p>BIMS 4250 Advanced Bioscience Lab BIMS 4000 BIMS Junior Exam PHYS 1420 General Physics II</p> <p>Total Biomedical Science Hours: 6 hrs Total Recommended Gen Ed/Elective Hours: 9 hrs Total Hours Enrolled: 15 hrs</p>
<p>Senior Year: BIMS Elective (6-8 hrs)</p> <p>Total Biomedical Science Hours: 6-8 hrs Total Recommended Gen Ed/Elective Hours: 6-9 hrs Total Hours Enrolled: 12-17 hrs</p>	<p>BIMS 4201 BIMS Senior Capstone BIOL 4101 Biological Literature BIMS Elective (3-4 hrs)</p> <p>Total Biomedical Science Hours: 6-7 hrs Total Recommended Gen Ed/Elective Hours: 7-9 hrs Total Hours Enrolled: 13-16 hrs</p>
<p>Total BS Biomedical Science Hours: 67-68 Total Gen Ed Hours: 39 Total Elective Hours: 13-14 Total Degree Hours: 120</p>	<p>Total Upper Level Hours: 39</p>