

2018-2019 B.S. Biology – Medical Laboratory Sciences Concentration

NAME _____ ID# _____

UNIVERSITY CORE

A. Core Foundations

CORE 101 _____ 3
 CORE 102 _____ 3
 HNRS 103* _____ 3
 CORE 201 _____ 3
 PHIL 111: 213
 CORE 202 _____ 3
 PHIL 112

B. Core Skills & Knowledge**

MATHEMATICAL SCIENCES (3-4 SH)
 MATH 119, 138, 168, 171 _____
NATURAL SCIENCES (4 SH)
 CHEM 101 _____
HUMANITIES (3 SH)
 PHIL112 recommended
 One of the following: CLSS110 CCST110
 ENGL200 HIST101, 102 PHIL111, 112, 200
 POSC110 RELN111, 112, 203, 206
VISUAL/PERFORMING ARTS (3 SH)
 One of the following: ART100, 215, 216
 CVPA266 DNCE111 MUSC100, 121, 123
 THEA100, 180
SOCIAL/BEHAV. SCIENCES (3 SH)
 SOCY110/121 or PSYC121 recommended
 One of the following: ANSC101, APST200
 ECON205, 206 GEOG101, 102, 103
 HIST111, 112 POSC120 PSYC121
 RELN205 SOCY110, 121

NOTE: Courses listed in multiple areas can only be used to fulfill a single area requirement.

*Honors students take HNRS103 in place of CORE101 & 102.

COLLEGE CORE

A. National & International Perspectives**

U. S. PERSPECTIVES (3 SH)
 ECON205/206 or SOCY110 recommended
 One of the following: APST200
 ECON101, 205, 206 ENGL203
 GEOG201, 202, 203 HIST111, 112
 POSC120, SOCY110
GLOBAL PERSPECTIVES (3SH)
 GEOG140 or SOCY121 recommended
 One of the following: CVPA266,
 ENGL201, 202 FORL103 GEOG101, 102,
 140, 280 HIST101, 102 INST101 ITEC112
 PEAC200 RELN112, 205 SOCY121
 THEA180 WMST200

****US and Global Perspectives must come from different disciplines**

B. Supporting Skills & Knowledge

NATURAL SCIENCES OR MATH (3-4 SH)
 STAT 219 _____
HUMANITIES, VISUAL/PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)
 One of the following: CLSS110 CCST 110
 ENGL200 HIST101, 102 PHIL111, 112, 200
 POSC110 RELN111, 112, 203, 206 CVPA266
 ART100, 215, 216 DNCE111, MUSC100, 121,
 123 THEA100, 180 CHNS101, 102, 201, 202
 ARAB101, 102, 201, 202 FORL100, 109, 200,
 210, 209, 309, 409 FREN100, 200, 210, 300,
 320 GRMN100, 200, 210, 300 LATN101 102,
 201, 350 RUSS101, 102, 200, 210, 300
 SPAN101, 102, 105 201, 202
SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS (3SH)
 SOCY110/121, NUTR214, or HLTH200 recommended
 One of the following: ANSC101 APST200
 ECON205, 206 GEOG101, 102, 103 HIST111,
 112 POSC120 PSYC121 RELN205 SOCY110,
 121 HLTH 111, 200 NURS111 NUTR214
 RCPT200

Medical Technology CONCENTRATION

Course number	Credits	Course name	Fall/Spring	Prerequisites (All BIOL prerequisites require C or better)
BIOL 131	(4)	Ecology and Adaptation	F/S	
BIOL 132	(4)	Biology of Cells and Microorganisms	F/S	
BIOL 231	(4)	Genetics, Evolution, and Development	F/S	BIOL 132
BIOL 232	(4)	Organismal Biology	F/S	BIOL 131

BIOL 131, 132, and 231 may only be taken TWICE and must be completed with C or higher before taking any 3XX or 4XX level BIOL electives.

BIOL 160	(2)	Introductory Seminar in Biology	F/S	Freshmen only
OR				
BIOL 460	(2)	Advanced Seminar in Biology	F/S	BIOL 131, 132, 231 and 232 (232 may be concurrent)
CHEM 101	(4)	General Chemistry	F/SU	
CHEM 102	(4)	General Chemistry	S/SU	CHEM 101

B.S. Requirements

CHEM 301	(4)	Organic Chemistry I	F/SU	CHEM 102
CHEM 302	(4)	Organic Chemistry II	S/SU	CHEM 301
STAT 219	(3)	Statistics for Biology	F/S/SU	
MATH 119	(3-4)	Math Core Curriculum see above	F/S/SU	
BIOL 337	(4)	Immunology	S	BIOL 131, 132, 231, and 232
BIOL 408	(4)	Principles of Microbiology	F/S	BIOL 131, 132, 231, and 232
BIOL 410	(4)	Human Anatomy/Physiology Science Maj.	F	BIOL 231 and CHEM 101:102 or CHEM 302
BIOL 411	(4)	Human Anatomy & Physiology II	S	Recommended, but not required
BIOL 450	(4)	Molecular Biology	F	BIOL 131, 132, 231, 232 & CHEM 102

Clinical Courses

BIOL 401,402,403 _____ (31) Medical Technology Internship Clinical Courses are taken at the hospital in the following areas:
 Blood Banking, Serology, Hematology and Coagulation, Bacteriology, Clinical Chemistry, Parasitology/Clinical Microscopy

Graduation Requirements: To graduate with a major in biology a student must attain an overall major grade point average of 2.0 or higher. Major GPA is calculated by using BIOL 131, BIOL 132, BIOL 160, all biology courses 200-level or higher, all courses outside of biology used as electives (including CHEM 471:472, Physics if used as an elective, Geography or Geology used as an environmental concentration elective), and any course used as an elective by academic petition.