

2017-2018 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
 COMS 114 _____ 3
 PHIL 111: 213 _____ 3
 CORE 202 _____ 3
 PHIL 112 _____ 3

B. Core Skills & Knowledge**

MATHEMATICAL SCIENCES (3SH)
 MATH 119, 138, 151, 152 _____ 3

NATURAL SCIENCES (4 SH)
 CHEM 101 _____ 4

HUMANITIES (3 SH)
 _____ 3
 One of the following: CLSS:110 CCST: 110
 ENGL 200, HIST 101, 102 PHIL 111, 112,
 200; POSC 110; RELN 111, 112, 203, 206

VISUAL & PERFORMING ARTS (3 SH)
 _____ 3
 One of the following: ART 111, 215, 216
 CVPA 266 DNCE 111 MUSC 100, 121, 123
 THEA 100, 180

SOCIAL/BEHAV. SCIENCES (3 SH)
 _____ 3
 SOCY 110 or 121 recommended
 One of the following: ANSC 101, APST
 200
 ECON 205, 206, GEOG 101, 102, 103 HIST
 111, 112 POSC 120 PSYC 121 RELN 205
 SOCY 110, 121

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

Students can use two courses with their major prefix to fulfill core requirements.

COLLEGE CORE

A. National & International Perspectives**

U. S. PERSPECTIVES (3 SH)
 ECON 205/206 recommended _____ 3
 One of the following: APST 200
 ECON 101, 205, 206, ENGL 203
 GEOG 201, 202, 203 HIST 111, 112
 POSC 120, SOCY 110

GLOBAL PERSPECTIVES (3SH)
 GEOG 140 recommended _____ 3
 One of the following: CVPA 266,
 ENGL 201, 202 FORL 103
 GEOG 101, 102, 140, 280 HIST 101,
 102 INST 101 ITEC 112 PEAC 200
 RELN 112, 205, SOCY 121, THEA
 180 WMST 101, WMST 101

B. Supporting Skills & Knowledge

NATURAL SCIENCES OR MATH (3-4 SH)
 STAT 219 _____ 3

HUMANITIES, VISUAL & PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)
 _____ 3-4
 One of the following: CLSS 110 CCST 110 ENGL
 200 HIST 101, 102 PHIL 111, 112, 200; POSC
 110; RELN 111, 112, 203, 206; CVPA 266; Or
 ART 100, 215, 216 DNCE 111, MUSC 100, 121,
 123 THEA 100, 180 Or CHNS 101: 102, 201: 202
 ARAB 101, 102, 201, 202, FORL 100, 109, 200,
 210, 209, 309, 409; FREN 100, 200:210, 300, 320
 GRMN 100, 200: 210, 300 LATN 101 102, 201,
 350; RUSS 100, 200, 210, 300; SPAN 101: 102,
 105 201, 202

SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS (3SH)
 SOCY 110 or 121 recommended _____ 3
 One of the following: ANSC 101, APST 200
 ECON 205, 206 GEOG 101, 102, 103 HIST 111,
 112 POSC 120; PSYC 121 RELN 205 SOCY 110,
 121, HLTH 111,200, NURS 111 NUTR 214; RCPT
 200

Medical Technology CONCENTRATION

Course number	Credits	Course name	Fall/Spring	
			SUMmer	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 119/138/151/152	(3)	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.