

2015-2016 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
 CORE 202 _____ 3

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

Students can use only one course with their major prefix to fulfill core requirements.

* Honors course – will meet CORE 101 & 102 for those students in the RU honors program

Core Curriculum

B. Core Skills & Knowledge

Courses must be from different disciplines:

MATHEMATICAL SCIENCES (3SH)

MATH 119,138, or 151 _____ 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, 114 POSC 110; RELN 111, 112, 203, 206

SOCIAL/BEHAV. SCIENCES (3 SH)

_____ 3

One of the following: ANSC 101, APST 200 ECON 105, 106 GEOG 101, 102, 103 HIST 111, 112 POSC 120; PSYC 121 RELN 205 SOCY 110, 121

VISUAL & PERFORMING ARTS (3 SH)

_____ 3

One of the following: ART 100, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180

COLLEGE CORE

A. National & International Perspectives

Courses must be from different disciplines:

U. S. PERSPECTIVES (3 SH)

_____ 3

One of the following: APST 200 ECON 101, 105, 106, ENGL 203 GEOG 201, 202, 203 HIST 111, 112 POSC 120, SOCY 110

GLOBAL PERSPECTIVES (3SH)

_____ 3

One of the following: ENGL 201,202; FORL 103; CVPA 266, GEOG 101, 102, 140, 280 HIST 101, 102 INST 101 ITEC 112 PEAC 200 RELN 112, 205, SOCY 121,THEA 180 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

One of the following: CLSS 110 CCST 110 ENGL 200; HIST 101, 102; PHIL 111, 112, 114; POSC 110; RELN 111, 112, 203, 206

Or ART 111, 215, 216; CVPA 266; DNCE 111; MUSC 100, 121, 123; THEA 100, 180 Or CHNS 101, 102, 201, 202 ARAB 100, 200, 210 FORL 100, 109, 200, 209, 210, 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, 201, 202

Or CHNS 101, 102, 201, 202 ARAB 100, 200, 210 FORL 100, 109, 200, 209, 210, 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, 201, 202

SOCIAL/ BEHAV. SCI. OR HEALTH & WELLNESS (3SH)

_____ 3

One of the following: ANSC 101, APST 200 ECON 105, 106 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

BIOL 131 _____ (4)	Ecology and Adaptation
BIOL 132 _____ (4)	Biology of Cells and Microorganisms
BIOL 231 _____ (4)	Genetics, Evolution, and Development
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
OR	
BIOL 460 _____ (2)	Advanced Seminar in Biology
CHEM 101 _____ (4)	General Chemistry
CHEM 102 _____ (4)	General Chemistry
STAT 219 _____ (3)	Statistics for Biology
MATH 119/138/151 _____ (3)	Math Core Curriculum see above
BIOL 337 _____ (4)	Immunology
BIOL 408 _____ (4)	Principles of Microbiology
BIOL 410 _____ (4)	Human Anatomy/Physiology Science Maj.
BIOL 411 – Human Anatomy & Physiology II – strongly recommended	
BIOL 450 _____ (4)	Molecular Biology
BIOL 401,402,403 _____ (31)	Medical Technology

Prerequisites

C or better required in all BIOL prerequisites

F/S	
F/S	
F/S	BIOL 132
F/S	Freshmen only
F/S	BIOL 131, 132, 231 and 232 (232 may be concurrent)
F/SU	
S/SU	CHEM 101
F/S/SU	
F/S/SU	
S	BIOL 132:232
F	BIOL 105 or BIOL 132:231
F/S/SU	BIOL 231 and CHEM 120 or 101:102
F	CHEM 102 & BIOL 231 or BIOL 334

Clinical Courses are taken at the hospital in the following areas:

Blood Banking, Serology, Hematology and Coagulation, Bacteriology, Clinical Chemistry, Parasitology/Clinical Microscopy

See back:

B.S. Requirements: (8 hours)

CHEM 301	_____ (4)	Organic Chemistry	F	CHEM 102
CHEM 302	_____ (4)	Organic Chemistry	S	CHEM 301

Graduation Requirements: Students must attain a minimum 2.0 in major and overall GPA in order to graduate. Major GPA is calculated using grades received in Biology 131, 132, all Biology courses 200 level or higher, all courses outside of Biology used as electives (including: CHEM 471:472 and Physics if used as elective) and/or any course used as an elective by academic petition. Students are required to complete a minimum of 120 credit hours.