

**GEORGE MASON UNIVERSITY  
COLLEGE OF SCIENCE**

**B.S. DEGREE IN MEDICAL LABORATORY SCIENCE (1201 Exploratory Hall, 703-993-1572)**

<http://biology.gmu.edu/>

**2017-2018 CATALOG**

	<u>Department(s) &amp; Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<b><u>MASON CORE REQUIREMENTS (24)</u></b>			
a.	Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)	_____	____
b.	Oral Communication: COMM 100 or 101 (circle choice) (3)	_____	_____
c.	Quantitative Reasoning (satisfied by completion of major requirements)		
d.	Literature (3)	_____	_____
e.	Western Civilization (3)	_____	_____
f.	Social & Behavioral Science (3)	_____	_____
g.	Natural Science (satisfied by completion of major requirements)		
h.	Global Understanding (3)	_____	_____
i.	Information Technology (satisfied by completion of major requirements)		
j.	Synthesis (3)	_____	_____

Go to: <http://catalog.gmu.edu/mason-core/> to link to information on Mason Core requirements.

**MAJOR REQUIREMENTS (83-84 hours required)**

**Biology Courses (28 credits)**

a.	BIOL 213 (4) (grade of C or better required)	a. _____	_____
b.	BIOL 214 (4) (grade of C or better required)	b. _____	_____
c.	BIOL 305, 306 (3,1)	c. _____	_____
d.	BIOL 311 (4) (grade of C or better required)	d. _____	_____
e.	BIOL 452, 453 (writing intensive course) (3,1)	e. _____	_____
f.	BIOL 430 (4)	f. _____	_____
g.	BIOL 431 (4)	g. _____	_____

**Chemistry Courses (17-18)**

h.	CHEM 211/213 (3/1)	h. _____	_____
i.	CHEM 212/214 (3/1)	i. _____	_____
j.	CHEM 313 (3)	j. _____	_____
k.	CHEM 315 (2)	k. _____	_____
l.	Select one of the following: BIOL 483 (4) <b>OR</b> CHEM 314/318 (3, 2)	l. _____	_____
m.	One of the following: MATH 111, 113, or both 123 and 124 (circle choice) (3-6)	m. _____	_____
n.	CDS 130 (recommended) or any course that fulfills the IT Mason Core requirement (3)	n. _____	_____

**Medical Technology Course Work (31)**

1.	MLAB 200 (1)	1. _____	_____
2.	MLAB 300 (writing intensive course) (2)	2. _____	_____

The professional study during the senior year involves clinical education at an affiliated school of medical technology.

**Note: Because of the extensive pre-professional education requirements stipulated by NAACLS, students majoring in medical laboratory science are exempt from the Mason Core 'Arts' requirement.**

**Thirty credits of course work are required including: MLAB 401, 402, 403, 404, 405, 406, and 407.** The distribution of credits in these courses varies with the school of medical technology. No more than 30 professional credits may be applied toward the degree.

**A minimum GPA of 2.0 is required in all major courses.**

**GENERAL ELECTIVES: (12 – 13 credits)** Maximum 2 credits of PHED, PRLS, and RECR coursework toward a COS degree. Only MLSC 400 and MLSC 402 may be used for credit towards a COS degree. (List courses)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**MINIMUM 120 HOURS (including Minimum 45 UPPER DIVISION HOURS) to GRADUATE**

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2017-2018 Catalog; the University Catalog is the official reference for program requirements.

# COURSE LISTS (MEDICAL LABORATORY SCIENCE)

## Mason Core Requirements

**Written Communication:** ENGH 101 (or 100) and ENGH 302

**Oral Communication:** COMM 100 or COMM 101

**Quantitative Reasoning:** MATH 111 or 113. The Math Placement Test is required to take MATH 113. See this web site for more information: [http://math.gmu.edu/placement\\_test.php](http://math.gmu.edu/placement_test.php)

**Literature:** ARAB 325; CHIN 310, 311, 325, 328; CLAS 250, 260, 340, 350, 360, 380; ENGH 201, 202, 203, 204; FREN 325, 329; FRLN 330; GERM 325; ITAL 320, 325; JAPA 340; KORE 311; PHIL 253; RELI 235; RUSS 325, 326, 327; SPAN 325

**Arts:** ARTH 101, 102, 103, 200, 201, 203, 204, 206, 321, 322, 324, 333, 334, 335, 340, 341, 342, 344, 345, 360, 362, 370, 372, 373, 376; AVT 103, 104, 215, 222, 232, 243, 252, 253, 262, 272, 385; DANC 101, 119, 125, 131, 145, 161, 225, 231, 245, 301, 325, 331, 345, 425, 445, 390, 391; ENGH 370, 371, 372, 396; FAVS 225; GAME 101; MUSI 100, 101, 102, 107, 280, 301, 302, 380, 381, 382, 383, 384, 385, 387, 389, 485; PHIL 156; THR 101, 150, 151, 210, 230, 395, 411, 412.

**Western Civilization:** HIST 100 or 125; transfer students may substitute: the following courses for HIST 100: HIST 101, 102, 301, 302, 304, 305, 306, 308, 309, 312, 314, 322, 388, 436, 480; and the following courses for HIST 125: HIST 202, 387.

**Social and Behavioral Sciences:** AFAM 200; ANTH 114, 120, 135, 363, 372, 396; BUS 100; CONF 101; CONS 410; CRIM 100; ECON 100, 103, 104, 105, 367; EDUC 203, 372; GGS 103; GOVT 101, 103, 367; HEAL 230; HIST 121, 122; LING 306; PSYC 100, 211, 231; SOCI 101, 352, 355; TOUR 311; WMST 200

**Natural Sciences:** CHEM 211/213 & CHEM 212/214

**Global Understanding:** ANTH 302, 306, 307, 308, 309, 311, 312, 313, 316, 331, 332; ARTH 319, 320, 380, 382, 383, 384, 385, 386; BUS 200; CEIE 100; COMM 305, 456; CRIM 405; DANC 118, 318, 418; ECON 360, 361, 362, 380, 390; ENGH 362, 366; FAVS 300; FRLN 331; GCH 205; GGS 101; GLOA 101; GOVT 132, 133; HIST 251, 252, 261, 262, 271, 272, 281, 282, 328, 329, 356, 357, 358, 360, 364, 365, 387, 460, 462; JAPA 310; MBUS 305; MUSI 103, 431; PHIL 243; PSYC 379; RELI 100, 211, 212, 313, 315, 320, 322, 341, 374; RUSS 354; SOCI 120, 320, 332; SPAN 322, 466; SYST 202; THR 359, TOUR 210; WMST 100

**Information Technology: One of these courses:** ANTH 395, CDS 130, CS 100, GOVT 300, HIST 390, IT 104, MIS 303, MUSI 259 **or Course(s) from a) and one course from b):** a) AVT 180; CS 112; PHYS 251; PSYC 300, 301, & 372 (all three must be taken and in sequence); SOCI 410 b) CDS 151, CEIE 409, CS 105, ENGR 107, IT 304, PHIL 112

**Synthesis:** ANTH 400; ARTH 394; AVT 385, 497, 498; BENG 492, 493; BINF 354; BIOL 301; BIS 490; BUS 498; CEIE 490; COMM 326, 362, 454; CONF 490; CONS 490, 491; CRIM 495; CS 306; DANC 490; ECE 492, 493; ECON 309; EDCI 490; EVPP 480; FAVS 352; FRLN 385; GAME 490; GCH 465; GEOL 420; GGS 303, 304; GOVT 490, 491; HAP 465; HDFS 400; HIST 300, 499; INTS 308; IT 492; LAS 499; MATH 400; MUSI 490; NURS 465; PHIL 309, 343, 377, 378, 379; PHYS 346; PROV 342; PSYC 405, 406, 427; RELI 490; RUSS 353; SOCI 377, 483; SOCW 375; SPAN 388; SYST 495; THR 440, 496

