

**GEORGE MASON UNIVERSITY**  
**COLLEGE OF SCIENCE**  
**B.S. DEGREE IN MEDICAL TECHNOLOGY (3057 David King Hall, 703-993-3462)**  
[http://cos.gmu.edu/academics/undergraduate/majors/medical\\_technology](http://cos.gmu.edu/academics/undergraduate/majors/medical_technology)  
**2012-2013 CATALOG**

	<u>Department(s) &amp; Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<b><u>GENERAL EDUCATION 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 Sequence (satisfied by completion of major requirements)			
h. Global Understanding (3)	_____	_____	_____
i. Information Technology (CDS 130 recommended) (3)	_____	_____	_____
j. Synthesis (3)	_____	_____	_____

Go to: <http://chss.gmu.edu/general-education/all-requirements> to link to information on general education requirements.

(Medical Technology majors are exempt from the Arts requirement.)

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

a. BIOL 213 (4)		a. _____	_____
b. BIOL 214 (4)		b. _____	_____
c. BIOL 305, 306 (3,1)		c. _____	_____
d. BIOL 311 (4)		d. _____	_____
e. BIOL 452, 453 (3,1)		e. _____	_____
f. BIOL 430 (4)		f. _____	_____
g. BIOL 431 (4)		g. _____	_____
h. CHEM 211 (4)		h. _____	_____
i. CHEM 212 (4)		i. _____	_____
j. CHEM 313 (3)		j. _____	_____
k. CHEM 315 (2)		k. _____	_____
l. CHEM 314 (3)		l. _____	_____
m. CHEM 318 (2)		m. _____	_____
n. One of the following: MATH 111, 113, or 114 (circle choice) (3-4)		n. _____	_____
p. Medical Technology Course Work (31)			
1. MTCH 200 (1)		1. _____	_____
2. The professional study during the senior year involves clinical education at an affiliated school of medical technology.			

**Thirty credits of course work are required including: MTCH 401, 402, 403, 404, 405, and 406.** 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)** (List courses)

_____		___	___
_____		___	___
_____		___	___

**MINIMUM HOURS TO GRADUATE: 120**

<b>UPPER DIVISION HOURS (minimum 45):</b>
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This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2012-2013 Catalog; the University Catalog is the official reference for program requirements.

# COURSE LISTS (MEDICAL TECHNOLOGY)

## University General Education 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 a MATH course. See this web site for more information: [http://cos.gmu.edu/academics/undergraduate/math\\_placement\\_testing](http://cos.gmu.edu/academics/undergraduate/math_placement_testing))

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 325; PHIL 253; RELI 235; RUSS 325, 326, 327; SPAN 325

Western Civilization: HIST 100 or 125; transfer students may substitute the following courses for HIST 100 or 125: HIST 101, 102, 202, 301, 302, 304, 305, 306, 308, 309, 314, 322, 387, 388, 435, 436, 480.

Social and Behavioral Sciences: AFAM 200; ANTH 114, 120, 135, 396; CONF 101; CONS 410; CRIM 100; ECON 100, 103, 104, 105, 110, 111 (110 and 111 must be taken together); EDUC 372; GGS 103; GOVT 101, 103, 367; HEAL 230; HIST 121, 122; LING 306; PSYC 100, 211, 231; SOCI 101; SOM 100; TOUR 311; WMST 200

Natural Sciences: CHEM 211 & 212

Global Understanding: ANTH 302, 304, 306, 307, 308, 309, 311, 312, 313, 316, 331, 332, 385; ARTH 319, 320, 380, 382, 383, 384, 385, 386; CEIE 100; COMM 305, 456; CRIM 405; DANC 118, 318, 418; ECON 360, 361, 362, 380, 390; ENGH 362, 366; GCH 205; GGS 101; GLOA 101; GOVT 132, 133; HIST 130, 251, 252, 261, 262, 271, 272, 281, 282, 328, 329, 356, 358, 360, 364, 365, 387, 460, 462; JAPA 310; MSOM 305; MUSI 103, 431; PHIL 243; PSYC 379; RELI 100, 211, 212, 313, 315, 341, 374; RUSS 354; SOCI 120, 320, 332; SPAN 322; SYST 100; THR 359, TOUR 210; WMST 100

Information Technology: **One of these courses:** ANTH 395, CDS 130, CHEM 350, CEIE 117, GOVT 300, HIST 390, IT 103, MUSI 415 **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 497, 498; BINF 354; BIOL 301; BIS 490; CEIE 490; COMM 326, 362, 454; CONF 490; CONS 490; CRIM 495; CS 306; DANC 490; ECE 447, 492, 493; ECON 309; EDCI 490; ENGH 305; EVPP 335; FAVS 352; FRLN 385; GEOL 420; GGS 303, 304; GOVT 490, 491; HAP 465; HIST 300, 499; IT 492; LAS 499; MATH 400; MUSI 490; NCLC 308; NURS 265; PHIL 309, 343, 377, 378; PSYC 405, 406; RELI 490; RUSS 353; SOCI 377, 483; SOCW 323, SOM 498; SPAN 388; SYST 495; THR 440, 496; PROV 342; UNIV 442