

3-23-2015

Minor Changes to the Medical Technology major with the Clinical Year at Rochester General Hospital

The College at Brockport, College Senate

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The College at
BROCKPORT
STATE UNIVERSITY OF NEW YORK

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Brockport, New York 14420
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senate@brockport.edu
brockport.edu/collegesenate

Resolution #10 2014-2015
College Senate

Supersedes Res #: _____



TO: Dr. John R. Halstead, College President

FROM: The College Senate: **03/02/2015**

RE: **→** I. Formal Resolution (*Act of Determination*)
II. Recommendation (*Urging the Fitness of*)
III. Other, For Your Information (*Notice, Request, Report, etc.*)

SUBJ: **FinalRGH-SMH-MedTechProposalBiology** (#05_14-15UC)

Signed:  Date: 3/23/15
(P. Gibson Ralph, 2014-15 College Senate President)

Please fill out the bottom portion and follow the distribution instructions at the end of this page.

TO: P. Ralph Gibson, College Senate President

FROM: John R. Halstead, College President

RE: **→** I. Decision and Action Taken on Formal Resolution (circle choice)

a. Accepted - **Implementation Effective Date****: Fall 2015
****Implementation of resolution requires final approval from SUNY- State Education Department.** YES NO

b. Deferred for discussion with the Faculty Senate on ____/____/____

c. Unacceptable for the reasons contained in the attached explanation

II, III. Response to Recommendation or Other/FYI

a. Received and acknowledged ____/____/____

b. Comment:

Signed:  Date: 4/6/15
(Dr. John R. Halstead, President, The College at Brockport)

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**COLLEGE SENATE OFFICE
RESOLUTION PROPOSAL COVER PAGE**

Routing Number <i>Routing # assigned by Senate Office</i>	#05_14-15UC <i>Use routing number and title in all reference to this proposal.</i>
Replaces Resolution #	#

DEADLINE FOR SUBMISSIONS: FEBRUARY 28

Incomplete proposals or proposals received after the deadline may not be reviewed until next semester.

1. **PROPOSAL TITLE:** Please be somewhat descriptive, ie. *Graduate Probation/Dismissal Proposal* rather than *Graduate Proposal*.

Minor Changes to the Medical Technology major with the Clinical Year at Rochester General Hospital

2. **BRIEF DESCRIPTION OF PROPOSAL:**

We want to ensure that students who complete their Medical Technology degree through SUNY Brockport have taken the required courses in preparation for completing their Clinical Year at Rochester General Hospital and fulfilling the New York State requirements for Medical Technology licensure. The State Board requires either Analytical Chemistry or Biochemistry with a lab component (the State requirements are appended at the end of this proposal). Organic Chemistry II (CHM306) alone is no longer sufficient to meet the State requirements. We will require Analytical Chemistry by default, and Biochemistry and Biochemistry Lab (BIO467 and BIO470, respectively) will be recommended by advisement only.

3. **WILL ADDITIONAL RESOURCES AFFECTING BUDGET BE NEEDED?** NO YES EXPLAIN

4. **HOW WILL THIS EFFECT TRANSFER STUDENTS:**

No effect

5. **ANTICIPATED EFFECTIVE DATE:**

Fall, 2015

6. **SUBMISSION & REVISION DATES:** PLEASE PUT A DATE ON ALL UPDATED DOCUMENTS TO AVOID CONFUSION.

<i>First Submission</i>	<i>Updated on</i>	<i>Updated on</i>	<i>Updated on</i>
10/06/14	02/16/15		

7. **SUBMITTED BY: (contact person)**

<i>Name</i>	<i>Department</i>	<i>Phone</i>	<i>Email</i>
Craig Lending	Biology	X5755	clending@brockport.edu

8. **COMMITTEES TO COPY: (Senate office use only)**

Standing Committee	Forwarded For Approval To	Dates
<input type="checkbox"/> Enrollment Planning & Policies	Committee for approval	10/06/14, 02/16/14
<input type="checkbox"/> Faculty & Professional Staff Policies	Executive Committee	11/3/14, 11/17/14
<input type="checkbox"/> General Education & Curriculum Policies *	GED to Vice Provost	
<input type="checkbox"/> Graduate Curriculum & Policies	Senate	03/02/15
<input type="checkbox"/> Student Policies	College President	04/06/15
<input type="checkbox"/> Undergraduate Curriculum & Policies	OTHER	
* follow special Gen Ed procedures for submission of General Education proposals at "How to Submit Proposals" on our Website.		
	REJECTED -WITHDRAWN	

NOTES:EC- 11/3/14 Revise Language 11/24/14 Sent back to committee RES # 10- Slight Change

Major in Medical Technology Current Requirements

(60 or 61 credits)	Credits
BIO 201 Biology I	4
BIO 202 Biology II	4
BIO 301 Cell Biology	4
BIO 302 Genetics	4
BIO 321 Anatomy and Physiology I	4
BIO 322 Anatomy and Physiology II	4
BIO 323 Microbiology OR	4
BIO423 General Microbiology	3
BIO 414 Immunology	3
BIO 481 or 483 Medical Technology Internship	15
BIO 482 or 484 Medical Technology Internship	15
Minimum Total:	60 or 61

Chemistry requirements:

CHM 205-206 College Chemistry I & II	8
CHM 305 Organic Chemistry I	4
CHM 306 or CHM 313 (Organic II or Quantitative Chemical Analysis)	4

Math requirements:

MTH243 Elementary Statistics	3
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Physics requirements:

PHS 205-210 Intro to Physics I & II w/lab	8
OR	
PHS 235-240 Physics I & II w/lab	8

Proposed Major in Medical Technology Requirements

(60 or 61 credits)	Credits
BIO 201 Biology I	4
BIO 202 Biology II	4
BIO 301 Cell Biology	4
BIO 302 Genetics	4
BIO 321 Anatomy and Physiology I	4
BIO 322 Anatomy and Physiology II	4
BIO 323 Microbiology OR	4
BIO423 General Microbiology	3
BIO 414 Immunology	3
BIO 481.61 Medical Technology Internship	15
BIO 482.61 Medical Technology Internship	15
Minimum Total:	60 or 61

Chemistry requirements:

CHM 205-206 College Chemistry I & II	8
CHM 305 Organic Chemistry I	4
CHM 313 Quantitative Chemical Analysis	4

Math requirements:

MTH243 Elementary Statistics	3
------------------------------	---

Physics requirements:

PHS 205-210 Intro to Physics I & II w/lab	8
OR	
PHS 235-240 Physics I & II w/lab	8

The changes above reflect our Department's desire to ensure that students who complete their Medical Technology degree through SUNY Brockport have taken the required courses in preparation for completing their Clinical Year at Rochester General Hospital and fulfilling the New York State requirements for Medical Technology licensure. The State Board requires either Analytical Chemistry or Biochemistry with lab. Organic Chemistry II (CHM306) alone is no longer sufficient to meet the State requirements. We will require Analytical Chemistry by default, and Biochemistry will be recommended by advisement only.

3. There are no new courses involved in this proposal.
4. There are no additional staffing needs required by this proposal.

5. Letter of Support – Department Chair



The College at
BROCKPORT
STATE UNIVERSITY OF NEW YORK

**350 New Campus Drive
Brockport, New York 14420**

January 30, 2015

To the Committee,

The Department of Biology is requesting College Senate Approval for new course requirements for our current Medical Technology major. As stated, we currently have an affiliation with Rochester General Hospital (RGH) which allows our Medical Technology majors to complete the required 1-year clinical internship in order to receive the B.S. Medical Technology degree. The state guidelines strongly advise students to have taken either analytical chemistry or biochemistry with lab prior to acceptance into the clinical year. Organic Chemistry II is no longer accepted by the state. Once a student has completed the clinical year, he/she must also pass a state-licensing exam. Therefore, I fully support this proposal.

Sincerely,

Rey Antonio L. Sia, Ph.D.
Department Chair
Associate Professor
Dept. of Biology
rsia@brockport.edu

6. Letter of Support – Chair Chemistry



The College at
BROCKPORT
STATE UNIVERSITY OF NEW YORK
Department of Chemistry and Biochemistry

February, 2015

To: Undergraduate Curriculum Committee, College Senate

Based on the new state licensure requirements for Medical Technologists as communicated to me by Rey Sia, Chair of the Department of Biology, The Department of Chemistry and Biochemistry supports the Biology Department's proposal to change the requirements for the Medical Technology major so that CHM 306 (Organic Chemistry II) will no longer be required and it will be replaced with Analytical Chemistry and that Biochemistry and Biochemistry Lab (BIO467 and BIO479, respectively) will be recommended by advisement only.

Stephen A. Godleski
Professor and Chair
Department of Chemistry and Biochemistry
The College at Brockport, SUNY

7. Letter of Support – Dean

The Dean's Office supports the proposal of the Department of Biology to make minor revisions to the requirements of the Medical Technology major with the Clinical Year at Rochester General Hospital (RGH). The proposed changes would add Analytical Chemistry as a requirement, and through advisement, students will also be encouraged to take Biochemistry (BIO467) and Biochemistry Lab (BIO479). The State Board now requires Medical Technology students seeking certification to complete Analytical Chemistry or Biochemistry with lab.

Jose Maliekal
Dean, School of Science and Mathematics

8. Letter of Support -- Program Director, Rochester General Hospital



Department of Pathology and Laboratory Medicine

1425 Portland Avenue
Rochester, NY 14921-3095

9 February 2015

To: The Faculty Senate
From: Nancy C. Mitchell, M.S, MT(ASCP), DLM
Program Director
Rochester General Hospital Clinical Laboratory Technology Program
Re: Change in Course Requirement

I fully support the proposed change in course requirement whereby students in the Medical Technology major would be required to take Quantitative Chemical Analysis (CHM 313) with Lab, in lieu of Organic Chemistry II (CHM 306). Biochemistry plus lab (BIO 467 and 479) would be recommended by advisement only.

This change will allow SUNY Brockport graduates in the Medical Technology major to meet with NYS Department of Education requirements to gain a license to practice as clinical laboratory technologists in the state.

Please feel free to contact me if questions arise at 585-922-4274 or nancy.mitchell@rochesterregional.org.

Thank you.

A handwritten signature in black ink that reads "Nancy C. Mitchell".

9. Clinical Laboratory Technologist Curriculum Requirements:

<http://www.op.nysed.gov/prof/ct/part52-38.htm>

Effective, August 21, 2008

§52.38 Clinical laboratory technology.

In addition to meeting all applicable provisions of this Part, to be registered as a program recognized as leading to licensure as a clinical laboratory technologist, which meets the requirements of section 79-13.1 of this Title, the program shall:

- a. be a program in clinical laboratory technology leading to a baccalaureate or higher degree or advanced certificate which contains didactic and clinical education that integrates pre-analytical, analytical, and post-analytical components of laboratory services, including the principles and practices of quality assurance/quality improvement, and which is designed and conducted to prepare graduates to practice clinical laboratory technology using independent judgment and responsibility;
- b. include coursework, which shall include a laboratory component in each area, in each of the following subject areas or their equivalent as determined by the department:
 1. inorganic chemistry;
 2. analytic chemistry and/or biochemistry;
 3. clinical chemistry;
 4. physiology, with anatomy content;
 5. immunology/serology;
 6. immunoematology (Blood Bank);
 7. hematology/hemostasis, and body fluids;
 8. molecular biology and diagnostics; and
 9. microbiology and clinical microbiology, including bacteriology, mycology, parasitology, and virology; and
- c. include curricular content in each of the following subject areas or their equivalent, as determined by the department:
 1. organic chemistry;
 2. statistics;
 3. infection control and universal precautions (standard precautions);
 4. the maintenance of equipment and records; and
 5. ethics; and
- d. include a supervised clinical experience of at least 30 hours per week for at least 24 weeks or its equivalent as determined by the department, in the practice of clinical laboratory technology, which provides the student with clinical experience that includes but is not limited to: hematology/hemostasis, clinical chemistry, immunoematology, urinalysis/body fluids, clinical microbiology, and immunology.