

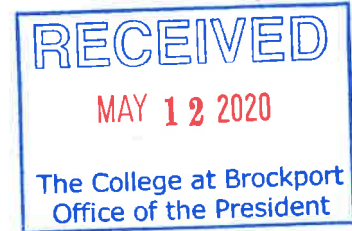


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 brockport.edu/collegesenate

Resolution 2019-20 #34
 College Senate

Supersedes Res #: _____

TO: Dr. Heidi Macpherson, College President
 FROM: The College Senate:
 RE: → I. Formal Resolution (*Act of Determination*)
 II. Recommendation (*Urging the Fitness of*)
 III. Other, For Your Information (*Notice, Request, Report, etc.*)
 SUBJ: *Modification Physics Adolescence dual-certification (#48_19-20G11)*
 Implementation Effective Date**: Fall 2021



Signed: JAZ7 Date: 5 / 8 / 2020
 (Dr. James Zollweg, 2019-2020 College Senate President)

Signed: [Signature] Date: 5 / 19 / 2020
 (Dr. Eileen Daniel, Vice Provost, The College at Brockport)

****Implementation of resolution requires final approval from SUNY- State Education Department.**
 YES NO

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

TO: Dr. James Zollweg, College Senate President
 FROM: Dr. Heidi Macpherson, College President
 RE: → I. Decision and Action Taken on Formal Resolution (circle choice)
 a. Accepted
 b. Deferred for discussion with the Faculty Senate on ___/___/___
 c. Unacceptable for the reasons contained in the attached explanation.
 d. Comments:

Signed: [Signature] Date: 5/12/2020
 (Dr. Heidi Macpherson, President, The College at Brockport)

DISTRIBUTION:
 The College Senate will forward the resolution signed by the College Senate President to the Vice Provost for determination as to whether the implementation of the resolution requires final approval from SUNY-State Education Dept. The Vice Provost will then forward the resolution with that designation to the College President. Upon approval, the College President will forward copies of resolutions to his/her staff who will, in turn, forward copies to their staff and to the College Senate. The College Senate Office will post resolutions to the College Senate Web at <http://www.brockport.edu/collegesenate/resolutions>.

**COLLEGE SENATE OFFICE
RESOLUTION PROPOSAL COVER PAGE**

DEADLINE FOR SUBMISSIONS: January 31

Incomplete proposals will be returned and proposals received after the deadline may not be reviewed until next semester.

See https://brockport.edu/support/college_senate/proposals.html for full details.
Complete this cover page. Email it along with all relevant files (individual .docx or .pdf files) to senate@brockport.edu. Your proposal will be made into an ADA compliant PDF, will receive page numbering and a routing number, and will be forwarded onto the appropriate committee chair(s).

Routing Number <i>Routing # assigned by Senate Office</i>	48_19-20XUC
This Proposal Replaces Resolution	2017-18#75UC
Revision Date(s)	02/04/2020
Anticipated Effective Date:	Fall 2020

Title of Proposal in Title Style

Slight Modification of the Undergraduate Major in Physics Adolescence Inclusive (7-12) Education with Grades 5 and 6 Extension

Brief Description of Proposal

This Proposal brings the previously approved (2017-18#75UC) curriculum into line with the curriculum recently submitted to SUNY.

Budgetary Resources Needed

None

Student Learning Outcomes Assessment Data

N/A

Effect on Transfer Students

N/A

Proposer Information

Eric Monier, Department of Physics, x5589, emonier@brockport.edu

Senate Office Use Only

Standing Committee	Forwarded To	Dates Forwarded
<input type="checkbox"/> Executive Committee	Standing Committee	4/28/2020
<input type="checkbox"/> Engagement & Enrollment Planning & Policies	Executive Committee	
<input type="checkbox"/> Faculty & Professional Staff Policies	Senate	
<input type="checkbox"/> General Education & Curriculum Policies	Passed GED's go to Vice Provost	
<input type="checkbox"/> Graduate Curriculum & Policies	College President	
<input type="checkbox"/> Student Policies	OTHER	
<input checked="" type="checkbox"/> Undergraduate Curriculum & Policies	REJECTED -WITHDRAWN	
NOTES:		

Rationale:

The proposal 2017-18 #75UC creating a major in Physics Adolescence Inclusive (7-12) Education with Grades 5 and 6 Extension was approved by the College Senate on 04/30/2018. It was signed by the College Senate President on 5/4/2018, the Vice Provost on 5/7/2018, and the College President on 5/18/2018. The approved proposal was then sent to SUNY for final approval and registration with the State Education Department (SED).

The original proposal as approved by the College Senate included 3 credits of a modern language. However, in order to gain SUNY approval, a total of 6 credits of a modern language (i.e. both 111 and 112) are still required.

This proposal is a revision of the original proposal to reflect the changes made for SUNY approval: namely, the removal of ESC 251 Scientific Computing (3 credits) and the addition of a second semester of a modern language (3 credits). The total number of required credits (125) remains the same. A table for comparison of the proposal approved by Senate and the version most recently submitted to SUNY appears below.

Physics Adolescence Inclusive Education major (previously approved)			Physics Adolescence Inclusive Education Major (proposed revision)		
Prefix, number & course title	Credit hours	Gen Ed Codes	Prefix, number & course title	Credit hours	GenEd Codes
Content Core			Content Core		
<u>Courses in Physics</u>	<u>31</u>		<u>Courses in Physics</u>	<u>31</u>	
PHS 235 Physics I	4	L	PHS 235 Physics I	4	L
PHS 240 Physics II	4		PHS 240 Physics II	4	
PHS 307 Physics III	3		PHS 307 Physics III	3	
PHS 325 Intermediate Physics Lab	2		PHS 325 Intermediate Physics Lab	2	
PHS 328 Modern Physics	3		PHS 328 Modern Physics	3	
PHS 332 Math. Methods for Physics	3		PHS 332 Math. Methods for Physics	3	
PHS 345 Advanced Physics Lab I	1		PHS 345 Advanced Physics Lab I	1	
PHS 350 Advanced Physics Lab II	1		PHS 350 Advanced Physics Lab II	1	
PHS 353 Classical Mechanics	3		PHS 353 Classical Mechanics	3	
PHS 368 Electricity & Magnetism	3		PHS 368 Electricity & Magnetism	3	
PHS 403 Physics Project Seminar I	1		PHS 403 Physics Project Seminar I	1	
PHS 411 Quantum Mechanics	3		PHS 411 Quantum Mechanics	3	
<u>Mathematics and Science co-requisites</u>	<u>26</u>		<u>Mathematics and Science co-requisites</u>	<u>23</u>	
MTH 201 Calculus I	4	M	MTH 201 Calculus I	4	M
MTH 202 Calculus II	4		MTH 202 Calculus II	4	
MTH 203 Calculus III	4		MTH 203 Calculus III	4	
MTH 255 Ordinary Differential Equations	3		MTH 255 Ordinary Differential Equations	3	
CHM 205 College Chemistry I	4	L	CHM 205 College Chemistry I	4	L
CHM 206 College Chemistry II	4		CHM 206 College Chemistry II	4	
ESC 251 Scientific Computing	3				
Pedagogical Core			Pedagogical Core		
<u>Pedagogy</u>	<u>43</u>		<u>Pedagogy</u>	<u>43</u>	
EDI 4XX Adolescent Development or equivalent	3		EDI 4XX Adolescent Development or equivalent	3	
EDI 3XX Classroom Management	1		EDI 3XX Classroom Management	1	
EDI 413 Introduction to Special Education	3		EDI 413 Introduction to Special Education	3	
EDI 431 Teaching Literacy in Middle & High School	3		EDI 431 Teaching Literacy in Middle & High School	3	
Content Areas I			Content Areas I		
EDI 447** Inclusive Middle School Teaching in Science	3		EDI 447** Inclusive Middle School Teaching in Science	3	
PRO 4XX: Phase 1 Field Experience	1		PRO 4XX: Phase 1 Field Experience	1	
EDI 432 Teaching Literacy in Middle & High School	3		EDI 432 Teaching Literacy in Middle & High School	3	
Content Areas II			Content Areas II		
EDI 430 Education and Society	3	I, W, Y	EDI 430 Education and Society	3	I, W, Y
EDI 467** Inclusive High School Teaching	3		EDI 467** Inclusive High School Teaching	3	
PRO 4XX Phase 2 Field Experience	1		PRO 4XX Phase 2 Field Experience	1	
EDI 414** Special Education Methods	3		EDI 414** Special Education Methods	3	
PRO 4XX: Phase 3 Field Experience	1		PRO 4XX: Phase 3 Field Experience	1	

EDI 419 Assessment in Special Education	3		EDI 419 Assessment in Special Education	3	
EDI 475 Seminar	3		EDI 475 Seminar	3	
PRO 4XX: Practicum	9		PRO 4XX: Practicum	9	
General Education			General Education		
<u>General Ed not included in Content or Pedagogical Core:</u>	25		<u>General Ed not included in Content or Pedagogical Core:</u>	28	
GEP 100: Academic Planning Seminar	1		GEP 100: Academic Planning Seminar	1	
Modern Language 111 or 112 level	3	R	Modern Language 111 and 112 level	6	R
ENG112 College Composition	3	Q	ENG112 College Composition	3	Q
Fine Arts (one w/performance) ENG 210 Elective	6	F, P	Fine Arts (one w/performance) ENG 210 Elective	6	F, P
Humanities (2 courses) HST 130 or 201 Elective	6	H	Humanities (2 courses) HST 130 or 201 Elective	6	H
Social Sciences (2 courses) HST 110 ECN 100	6	S D	Social Sciences (2 courses) HST 110 ECN 100	6	S D
Diversity or Other World Civilizations Electives as needed for Gen Ed or 126 credit total	0 (var.)	D or O (var.)	Diversity or Other World Civilizations Electives as needed for Gen Ed or 126 credit total	0 (var.)	D or O (var.)
Total credit hours	125		Total credit hours	125	

**Requires 50-hour field placement.

Content Major Credits: 54
General Education and Elective Credits: 28
Pedagogy Credits: 43

