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5-2020

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

The College at Brockport, College Senate

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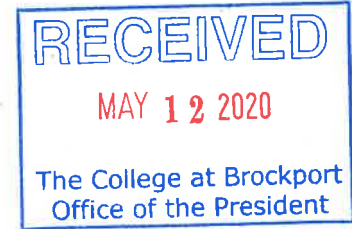
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Resolution 2019-20 #35
 College Senate

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 single-certification (#49_19-20UC)*
 Implementation Effective Date**: Fall 2021

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

Signed: *Eileen Daniel* Date: 5 / 18 / 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: *Heidi Macpherson* Date: 5/14/2020
 (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/college/senate/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>	49_19-20UC
This Proposal Replaces Resolution	2017-18#74UC
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 (7-12) Education with Grades 5 and 6 Extension

Brief Description of Proposal

This Proposal brings the previously approved (2017-18#74UC) 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 #74UC creating a major in Physics Adolescence (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 proposal was then sent to SUNY for 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 addition of a second semester of a modern language (3 credits). The total number of required credits has increased to 124. A table for comparison of the proposal approved by Senate and the version most recently submitted to SUNY appears below.

Physics Adolescence Education major (previously approved)			Physics Adolescence 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>26</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		ESC 251 Scientific Computing	3	
Pedagogical Core			Pedagogical Core		
<u>Pedagogy</u>	<u>36</u>		<u>Pedagogy</u>	<u>36</u>	
EDI 4XX Adolescent Development or equivalent	3		EDI 4XX Adolescent Development or equivalent	3	
EDI 3XX Classroom Management (coreq with EDI 467)	1		EDI 3XX Classroom Management (coreq with EDI 467)	1	
EDI 409 Teaching Students with Special Needs Across Curriculum	3		EDI 409 Teaching Students with Special Needs Across Curriculum	3	
EDI 431 Teaching Literacy in Middle & High School Content Areas I	3		EDI 431 Teaching Literacy in Middle & High School Content Areas I	3	
EDI 447 Inclusive Middle School Teaching in Science	3		EDI 447 Inclusive Middle School Teaching in Science	3	
<i>PRO 4XX **Phase 1 Field Experience (coreq with EDI 447)</i>	1		<i>PRO 4XX **Phase 1 Field Experience (coreq with EDI 447)</i>	1	
EDI 432 Teaching Literacy in Middle & High School Content Areas II	3		EDI 432 Teaching Literacy in Middle & High School Content Areas II	3	
EDI 430 Education and Society	3	I, W, Y	EDI 430 Education and Society	3	I, W, Y
EDI 467 Inclusive High School Teaching in Science	3		EDI 467 Inclusive High School Teaching in Science	3	
<i>PRO 4XX **Phase 2 Field Experience (coreq with EDI 467)</i>	1		<i>PRO 4XX **Phase 2 Field Experience (coreq with EDI 467)</i>	1	

EDI 475 Seminar	3		EDI 475 Seminar	3	
PRO 4XX Practicum ¹	9		PRO 4XX Practicum ¹	9	
General Education			General Education		
<u>General Ed not included in Content or Pedagogical Core:</u>			<u>General Ed not included in Content or Pedagogical Core:</u>		
GEP 100: Academic Planning Seminar	1		GEP 100: Academic Planning Seminar	1	
Modern Language 111 and 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)	6	F, P	Fine Arts (one w/performance)	6	F, P
Humanities (2 courses)	6	H	Humanities (2 courses)	6	H
Social Sciences (2 courses)	6	S	Social Sciences (2 courses)	6	S
Diversity	3	D or O	Diversity	3	D or O
Total credit hours	123-126		Total credit hours	124	

****Requires 50-hour field placement.**

*Content Major Credits: 57
General Education and Elective Credits: 31
Pedagogy Credits: 36*

