



**SUNY
BROCKPORT**

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Brockport, NY 14420
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**Resolution #55 2020-21
College Senate**

Supersedes Resolution #



To: Dr. Heidi Macpherson, College President
From: Cathy Houston-Wilson, College Senate President
Re:

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

SUBJ: Updating Math Course in Childhood Inclusive Education (#62_20-21 UC)

Signed: Cathy Houston-Wilson Date: 2/2/22
(Dr. Cathy Houston-Wilson, 2020-2021 College Senate President)

Implementation of resolution requires final approval from:

SUNY Yes No NYS Dept of Education Yes No

Signed: Eileen Daniel Date: 2/7/22
(Dr. Eileen Daniel, Vice Provost, SUNY Brockport)

Decision and Action Taken on Formal Resolution (circle choice below)

- a. Accepted
- b. Deferred for discussion with the Faculty Senate
- c. Unacceptable for the reasons contained in the attached explanation.

Signed: Heidi Macpherson Date: 3/11/22
(Dr. Heidi Macpherson, College President, SUNY Brockport)

Implementation Effective Date: _____

DISTRIBUTION:

The College Senate President will forward the signed resolution to the Vice Provost for determination as to whether the implementation of the resolution requires final approval from SUNY and/or the State Education Dept. The Vice Provost will then sign and forward the resolution with that designation to the College President. Upon approval, the College President will forward the resolution to an Administrative Assistant who will distribute the final resolution to the Senate Office. The Senate Office will scan the resolution and send to the Coordinator of Digital Commons where it will be posted to https://digitalcommons.brockport.edu/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>	62_20-21UC
This Proposal Replaces Resolution	
Revision Date(s)	
Anticipated Effective Date:	

Title of Proposal in Title Style

Updating mathematics course in B.S. in Childhood Inclusive Education

Brief Description of Proposal

Proposal would change current requirement of MTH 112 in the major to MTH 111, MTH 112, or MTH 122+

Budgetary Resources Needed

None

Student Learning Outcomes Assessment Data

n/a

Effect on Transfer Students

Proposal would potentially ease transfer student articulation to Brockport by expanding which mathematics courses count for the major

Proposer Information

Christian P. Wilkens, Education & Human Development, cwilkens@brockport.edu / (585) 395-5548

Senate Office Use Only

Standing Committee	Forwarded To	Dates Forwarded
<input type="checkbox"/> Executive Committee	Standing Committee	4/13/2021
<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:

The current B.S. in Childhood Inclusive Education includes four mathematics course requirements and five science requirements, as follows:

Course	Note(s)
Mathematics	
MTH 112 College Mathematics or higher (3 cr)	Does not serve as pre-req for MTH 243 – can mean Childhood majors must take a fifth (not-listed) mathematics course to meet pre-req requirements for MTH 243.
MTH 113 Math for Elem. Teachers I (3 cr) or EDI 439 Ped Math for Teachers I (3 cr)	<i>No change.</i>
MTH 114 Math Elem Teach II (3 cr) or EDI 442 Ped Math for Teachers II (3 cr)	<i>No change.</i>
MTH 243 Elementary Statistics (3 cr)	M code. Prerequisite: MTH 110 or higher (excluding MTH 112)
Science	
NAS 273 Inv Physical Sci (3 cr)	Requires MTH 112 as a pre/corequisite; CHM plan to re-register to allow MTH 111 as a pre-requisite.
GEL 100 Our Earth (3 cr)	<i>No change.</i>
BIO 281 Elements of Human Biology (3 cr)	<i>No change.</i>
ESC 102 Elements of Geography (3 cr)	<i>No change.</i>
ENV 201 Intro to Environment. Sci (3 cr)	<i>No change.</i>

We have identified the sequencing in mathematics and science to be an issue. Students who have completed MTH 112 are not eligible to continue into MTH 243.

We propose to adjust the requirement in the major to be MTH 111, MTH 112, or MTH 122+. This would allow students to continue from MTH 111 to MTH 243 seamlessly.

The Department of Education and Human Development has reviewed the SLOs for MTH 111 and finds that they align satisfactorily with needed mathematics knowledge and skills among childhood educators. We anticipate no drop-off in knowledge or skills among educators with the proposed change.

Proposed change would not impact General Education requirements; students in the major will continue to meet GenEd M code requirements via MTH 243.

Such an adjustment would impact NAS 273, which currently has a pre/co-requisite of MTH 112. The department of Chemistry and Biochemistry has indicated that MTH 111 is acceptable as a pre-requisite (not a co-requisite) and will re-register the course in Summer 2021.

Below is a complete side-by-side of the B.S. in Childhood Inclusive Education (two tracks – Multidisciplinary and Bilingual Multicultural), with proposed change indicated in red font.

Childhood Inclusive Education – Multidisciplinary Track (changes in red)

	Current Program	Cr	Proposed Changes	Cr	Gen Ed Code
Cognates					
English	ENG 396-Children’s Lit	3	ENG 396-Children’s Lit	3	
	ENG 210-Creative Writing	3	ENG 210-Creative Writing	3	AR
Math	MTH 113-Math Elem Teach I	3	MTH 113-Math Elem Teach I or EDI 439 Pedagogical Knowledge for Teachers I	3	
	MTH 114-Math Elem Teach II	3	MTH 114 – Math Elem Teach II Or EDI 442 Pedagogical Knowledge for Teachers II	3	
Science	NAS 273-Inv Physical Sci	4	NAS 273-Inv Physical Sci	4	NS
	GEL 100-Our Earth	3	GEL 100-Our Earth or AST 213-Exploring the Solar System	3	NS
Social Studies	ESC 102-Elem Geography	3	ESC 102-Elem Geography	3	
	HST 212 Modern America SS	3	HST 212 Modern America SS	3	SS
Major	Multidisciplinary Track	30	Multidisciplinary Track	30	
	BIO 281-Human Biology	3	BIO 281-Human Biology	3	
	ENV 201-Environmental Sci	3	ENV 201-Environmental Sci	3	NS
	Social & cultural humanities	3	Social & cultural humanities	3	H
	ECN 100*-Economics or HST 118 History of Amer Capitalism SS	3	ECN 100*-Economics or HST 118 History of Amer Capitalism SS	3	SS
	HST 201-Ancient World H	3	HST 201-Ancient World H	3	H
	HST 411-NY State Experience	3	HST 311: Empire State: The History of New York	3	
	MTH 112 College Mathematics	3	MTH 111 College Algebra, MTH 112 College Mathematics, or MTH 122+ Pre-Calculus (or higher)	3	
	MTH 243 Elem Statistics	3	MTH 243 Elem Statistics	3	M
	Two courses in the domain of “ <i>Social & Cultural Perspectives</i> ”; courses include African & African American Studies; English; Women & Gender Studies; Anthropology; Disability Studies; Foreign Cultures in English; History; & Sociology; ^f	6	Two courses in the domain of “ <i>Social & Cultural Perspectives</i> ”; courses include African & African American Studies; English; Women & Gender Studies; Anthropology; Disability Studies; Foreign Cultures in English; History; & Sociology; ^f	6	
Prof Prep	EDI 460 Child Devel & Learning	3	EDI 460 Child Devel & Learning	3	
	PRO 370 Health and Drug Ed	1	PRO 370 Health and Drug Ed	1	
	EDI 462 Inquiry Learning	3	EDI 462 Inquiry Learning	3	
	EDI 413-Intro Spec Ed	3	EDI 413-Intro Spec Ed	3	
	EDI 414 Field Based Spec Ed	3	EDI 414 Field Based Spec Ed	3	
	EDI 419 Assess Spec Ed	3	EDI 419 Assess Spec Ed	3	

	EDI 407-Emergent Lang & Lit	3	EDI 407-Emergent Lang & Lit	3	
	EDI 417-Language, Literacy Learn	3	EDI 417-Language, Literacy Learn	3	
	EDI 430-Ed & Society	3	EDI 430-Ed & Society	3	
	EDI 423-Div Learn in Social Studies	3	EDI 423-Div Learn in Social Studies	3	
	EDI 424-Div Learn in Math	3	EDI 424-Div Learn in Math	3	
	EDI 425-Div Learn in Science	3	EDI 425-Div Learn in Science	3	
	EDI 461-Child Inc Class Mgt	3	EDI 461-Child Inc Class Mgt	3	
	EDI 481-Instructional Tech	3	EDI 481-Instructional Tech	3	
	EDI 421-Teaching & Assess ELL	3	EDI 471: Supporting English Language and Multilingual Learners in the Classroom	3	
	PRO 434 Field Exp I	1	PRO 434 Field Exp I	1	
	PRO 435 Field Exp II	1	PRO 435 Field Exp II	1	
	PRO 436 Field Exp III	1	PRO 436 Field Exp III	1	
	PRO 437-Practicum	9	PRO 437-Practicum	9	
	EDI 463-Seminar in Childhood	3	EDI 463-Seminar in Childhood	3	
Additional General Ed	ENG 112-Composition	3	ENG 112-Composition	3	BC
	Foreign Language	6	Foreign Language	6	FL
	Fine Arts	3	Fine Arts	3	AR
	GEP 100-Acad Planning	1	GEP 100-Acad Planning	1	
Total		126		126	

Childhood Inclusive Education - Bilingual Education Track (changes in red).

	Current Program	Cr	Proposed Changes	Cr	Gen Ed Code
Cognates					
English	ENG 396-Children's Lit	3	ENG 396-Children's Lit	3	
	ENG 210-Creative Writing	3	ENG 210-Creative Writing	3	AR
Math	MTH 113-Math Elem Teach I	3	MTH 113 – Math Elem Teach I or EDI 439 Pedagogical Knowledge for Teachers I	3	
	MTH 114-Math Elem Teach II	3	MTH 114 – Math Elem Teach II or EDI 442 Pedagogical Knowledge for Teachers II	3	
	MTH 112: College Mathematics or a statistics course: MTH 243, PSH 202 or SOC 200	3	MTH 111 College Algebra, MTH 112 College Mathematics, or MTH 122+ Pre-Calculus (or higher) or a statistics course: MTH 243, PSH 202 or SOC 200	3	M
Science	NAS 273-Inv Physical Sci	4	NAS 273-Inv Physical Sci	4	NS
	BIO 281-Human Biology	3	BIO 281-Human Biology	3	NS
Social Studies	HST 130: World History Survey	3	HST 130: World History Survey	3	H
	HST 212 Modern America SS	3	HST 212 Modern America SS	3	SS
	ECN 100: Contemporary Economic Issues	3	ECN 100: Contemporary Economic Issues or HST 118 History of Amer Capitalism SS	3	SS
Major	Spanish / Bilingual Education Track	36cr.	Spanish / Bilingual Education Track	36cr.	
	SPN 112: Beginning Spanish II	3	SPN 112: Beginning Spanish II	3	FL
	SPN 211: Intermediate Spanish I	3	SPN 211: Intermediate Spanish I	3	
	SPN 212: Intermediate Spanish II	3	SPN 212: Intermediate Spanish II	3	
	SPN 350: It's Debatable – Communication in Spanish	3	SPN 350: It's Debatable – Communication in Spanish	3	
	SPN 351: Compose Yourself	3	SPN 351: Compose Yourself	3	
	SPN 410: Bilingual Education & Heritage Language Learners	3	SPN 410: Bilingual Education & Heritage Language Learners	3	
	SPN 461: Advanced Spanish Grammar	3	SPN 461: Advanced Spanish Grammar	3	
	FCE 420: Multiculturalism in the US	3	FCE 420: Multiculturalism in the US	3	
	FCE 473: Linguistics for Second Language Acquisition	3	FCE 473: Linguistics for Second Language Acquisition	3	
	SPN 352: Mexico to Madrid: Hispanic World Today	3	SPN 352: Mexico to Madrid: Hispanic World Today	3	
	HST 234: Puerto Rico and Puerto Ricans: Colony, Nation, Race, Diaspora	3	HST 234: Puerto Rico and Puerto Ricans: Colony, Nation, Race, Diaspora	3	H
	EDI 422: TESOL Materials & Techniques	3	EDI 422: TESOL Materials & Techniques	3	
Prof Prep	EDI 460 Child Devel & Learning	3	EDI 46 Child Devel & Learning	3	
	PRO 370 Health and Drug Ed	1	PRO 370 Health and Drug Ed	1	
	EDI 462 Inquiry Learning	3	EDI 462 Inquiry Learning	3	

	EDI 413-Intro Spec Ed	3	EDI 413-Intro Spec Ed	3	
	EDI 414 Field Based Spec Ed	3	EDI 414 Field Based Spec Ed	3	
	EDI 419 Assess Spec Ed	3	EDI 419 Assess Spec Ed	3	
	EDI 421: Methods of Teaching and Assessing Literacy in English Language Learners	3	EDI 421: Methods of Teaching and Assessing Literacy in English Language Learners	3	
	EDI 417-Language, Literacy Learn	3	EDI 417-Language, Literacy Learn	3	
	EDI 430-Ed & Society	3	EDI 430-Ed & Society	3	
	EDI 423-Div Learn in Social Studies	3	EDI 423-Div Learn in Social Studies	3	
	EDI 424-Div Learn in Math	3	EDI 424-Div Learn in Math	3	
	EDI 425-Div Learn in Science	3	EDI 425-Div Learn in Science	3	
	EDI 461-Child Inc Class Mgt	3	EDI 461-Child Inc Class Mgt	3	
	PRO 434 Field Exp I	1	PRO 434 Field Exp I	1	
	PRO 435 Field Exp II	1	PRO 435 Field Exp II	1	
	PRO 436 Field Exp III	1	PRO 436 Field Exp III	1	
	PRO 437-Practicum	9	PRO 437-Practicum	9	
	EDI 463-Seminar in Childhood	3	EDI 463-Seminar in Childhood	3	
Additional General Ed	ENG 112-Composition	3	ENG 112-Composition	3	BC
	Fine Arts	3	Fine Arts	3	AR
	GEP 100-Acad P'lanning	1	GEP 100-Acad P'lanning	1	
Total		126		126	

Appendix A – Approval note from Rebecca Smith, Department of Mathematics

Wilkins, Christian (cwilkins)

From: Smith, Rebecca (rsmith)
Sent: Saturday, March 27, 2021 2:51 PM
To: Wilkins, Christian (cwilkins); Morris, Jason (jrmorris)
Cc: Wisnowski, Stephanie (swisnows)
Subject: Re: Math course adjustment in childhood major?

Hi Chris,

Mathematics supports the change from MTH 112 to MTH 111, MTH 112, or MTH 122+ for any/all Childhood programs. With proper advisement (including utilizing our Math Placement Coordinator), this change should give majors the appropriate background they need for NAS 273 as well as be more suitable to wide range of student educational experiences.

While more majors in your program may require more resources because of the mathematics requirements, this specific change is resource neutral as all of these courses have the same. Students who choose a 4-credit course (realistically MTH 122, MTH 201, or MTH 281) will have a stronger background, but it is unlikely that there would be enough such students in any given semester to require additional sections in these courses.

Best,
Rebecca

*Rebecca Smith, PhD
Professor and Chair
Department of Mathematics
SUNY Brockport
Pronouns: she/her/hers*

Wilkins, Christian (cwilkins)

From: Lee, Dawn (dlee)
Sent: Tuesday, March 23, 2021 12:56 PM
To: Wilkins, Christian (cwilkins); Smith, Rebecca (rsmith)
Cc: Morris, Jason (jrmorris)
Subject: Re: Draft Senate resolution for Childhood major update

As I think I mentioned to you, Chris, the MTH112 pre-req for NAS273 is incorrect in the first place. It was an error on my part that has been worked around, but not fixed officially. I am in support of the change in terms of MTH111 or higher for the pre-req to NAS273, and will be working on making it a reality ASAP.

Dawn

From: Wilkins, Christian (cwilkins) <cwilkins@brockport.edu>
Sent: Tuesday, March 23, 2021 12:00 PM
To: Smith, Rebecca (rsmith) <rsmith@brockport.edu>
Cc: Lee, Dawn (dlee) <dlee@brockport.edu>; Morris, Jason (jrmorris) <jrmorris@brockport.edu>
Subject: Draft Senate resolution for Childhood major update

Hello Rebecca, Dawn and Jason –

I hope you're well on this beautiful day! Stephanie was able to share the SLOs for the mathematics courses, and we discussed in our leadership meeting yesterday afternoon.

I think MTH 110 is not an appropriate course for the childhood educators – so we'll leave that off the table.

The attached still needs to work through our Childhood committee and department for consideration – it'll be a few weeks... but I wonder if you might be willing to take a peek at this early draft and see if I've got the details OK?

Rebecca and Jason – this would mean shifting the requirement for Childhood majors from MTH 112 to MTH 111+.

Dawn – this would mean more students in Childhood potentially taking MTH 111 (rather than MTH 112). We'd spoken about adjusting the pre-req for NAS 273 to include MTH 111. Is that still OK on your end?

I'd be glad to discuss if useful. Thanks for your input!

Chris

Dr. Christian P. Wilkins
Chair, Department of Education & Human Development
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Pronouns: he/him/his



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March 29, 2021

To: College Senate Undergraduate Curriculum Committee

RE: Support for Mathematics course change in B.S. in Childhood Inclusive Education

I write to offer my support for the Senate proposal titled "Updating mathematics course in B.S. in Childhood Inclusive Education," proposed by the Department of Education and Human Development.

The updated course would correct known advising issues by ensuring that Brockport freshmen and transfer students can progress through the required major's four required mathematics courses in a timely fashion without extra coursework.

I also see that the proposal carries support from the instructor for NAS 273, who has indicated the change is acceptable for students entering that course, and the Department of Mathematics has indicated that the proposed change is resource neutral.

I am excited about this proposed revisions; please let me know if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Hernandez', with a long horizontal line extending to the right.

Thomas J. Hernández, EdD, LMHC
Dean, School of Education, Health & Human Services

