

BACHELOR OF SCIENCE MATHEMATICS - SECONDARY TEACHING (GRADES 7-12)

This program leads to a Bachelor of Science degree in Mathematics with a Secondary Teaching emphasis. It incorporates computer science coursework, and students gain extensive experience using computer and calculator technologies relevant to classroom instruction. The program is distinguished by rigorous study in the mathematics major, engagement with diverse learning communities, and a focus on scholarly inquiry.

In addition to completing general education requirements, students follow a structured professional education sequence. While progressing through their major, students enroll in the first two teacher education courses and apply for formal admission to the program during their sophomore year. The degree includes a semester of student teaching, providing practical experience in real-world classroom settings. Upon graduation, students are certified to teach mathematics in grades 7-12 and are well-prepared with both deep content knowledge and effective pedagogical skills.

JOB STATISTICS

Occupational Outlook Handbook - High School Teachers (bls.gov/ooh)

\$62,870 2020 National Median Pay

8% National Project Job Growth

CONTACT

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 Regional Centers Director

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www.lssu.edu/regional-center



Why LSSU?

- ▶ Rated #5 Top Public School by Regional Colleges - Midwest
- ▶ 16:1 Student Faculty Ratio
- ▶ Extensive real-world, innovative learning environments
- ▶ Alumni network of over 23,000 in the Great Lakes region
- ▶ Cost savings to staying local
- ▶ Accredited by the Higher Learning Commission of North Central Association since 1968
- ▶ The Educator Preparation Programs are accredited by the Inquiry Brief Commission of the Council for the Accreditation of Educator Preparation (CAEP).



CAREER CHOICES

- Math Teacher - Grades 7-12
- Math Interventionalist
- Data Analyst
- Education Consultant
- STEM Program Coordinator



**SUPERIOR EDUCATION
 SUPERIOR EXPERIENCE
 SUPERIOR YOU**



Our Mission:

To promote the development of educational innovators who embrace diversity and are committed to the success of all learners

MATHEMATICS SECONDARY TEACHING (GRADES 7-12)

Bachelor of Arts



**LAKE SUPERIOR
 STATE UNIVERSITY**

Petoskey

Lake Superior State University's
B.S. Mathematics: Secondary Teaching (7-12)



Courses taken at NCMC College

	Grade	Course #	Title	LSSU equiv	Credits	Electives:
						Grade Course# Credits
<input type="checkbox"/>		CIS104	Intro to Program Logic*	[CSCI105]	3	
<input type="checkbox"/>		CIS115	C++ Programming I*	[CSCI121]	4	<input type="checkbox"/>
<input type="checkbox"/>		ED101	Intro to Education†	[TEAC101]	3	<input type="checkbox"/>
<input type="checkbox"/>		ED201	Diversity, Equity & Inclusion†	[TEAC120]	3	<input type="checkbox"/>
<input type="checkbox"/>		ENG111	English Composition I	[ENGL110]	3	<input type="checkbox"/>
<input type="checkbox"/>		MATH150	Analytic Geo & Cal I‡	[MATH151]	5	<input type="checkbox"/>
<input type="checkbox"/>		MATH210	Analytic Geo & Cal II‡	[MATH152]	5	
<input type="checkbox"/>		MATH215	Analytic Geo & Cal III‡	[MATH251]	4	
<input type="checkbox"/>		MATH225	Differential Equations‡	[MATH310]	3	
<input type="checkbox"/>		PHY230	Physics for Scientists & Eng I	[PHYS231]	5	
<input type="checkbox"/>			Communication (Rec: ENG112)	[ENGL111]	3	
<input type="checkbox"/>			Humanities		3	
<input type="checkbox"/>			Humanities		3	
<input type="checkbox"/>			Natural Science		4	
<input type="checkbox"/>			Social & Behavioral Science		3	
<input type="checkbox"/>			Social & Behavioral Science		3	
<input type="checkbox"/>		STEM & Modeling Cognate (6-10 cr) - Select 1 option from the following:			6	
<input type="checkbox"/>		Option 1 Biology (8 cr)			[BIOL131 & 132]	
		BIO151: Gen Bio I & BIO152: Gen Bio II				
<input type="checkbox"/>		Option 2 Chemistry (10 cr)			[CHEM115 & 116]	
		CEM121: Princ Chem I & CEM122: Princ Chem II				
<input type="checkbox"/>		Option 3 Data Science (6 cr) - LSSU only			[CSCI115 & 265]	
<input type="checkbox"/>		Option 4 Economics (6 cr)			[ECON201 & 202]	
		ECO111: Macroecon & ECO132: Microecon				
<input type="checkbox"/>		Option 5 GIS (6 cr)			[EVRN131 & 225]	
		GIS110: Intro to GIS I & GIS120: Intro to GIS II				
<input type="checkbox"/>		Option 6 Poli Sci: PLS141 & LSSU (8 cr)			[POLI110 & 234]	
		PLS141: American Gov & LSSU's POLI234			[POLI110 & 234]	
Total credits at NCMC					63	

Course satisfies MTA gen. ed. req'ments

Courses taken at LSSU's Petoskey Regional Center

Grade	Course #	Title	Credits
<input type="checkbox"/>	MATH215	Fundamental Concepts of Math‡	3
<input type="checkbox"/>	MATH305	Linear Algebra	3
<input type="checkbox"/>	MATH321	History of Mathematics‡	3
<input type="checkbox"/>	MATH308	Prob & Stats	3
<input type="checkbox"/>	MATH309	Applied Stats	3
<input type="checkbox"/>	MATH321	History of Math	3
<input type="checkbox"/>	MATH325	College Geometry‡	3
<input type="checkbox"/>	MATH341	Abstract Algebra I	3
<input type="checkbox"/>	MATH401	Mathematical Modeling	3
<input type="checkbox"/>	MATH421	Real Analysis	3
<input type="checkbox"/>	MEDU303	Teaching with Technology‡	3
<input type="checkbox"/>	MEDU403	Secondary Math Instruct. Methods‡	3
<input type="checkbox"/>	TEAC221	Special Ed & Partner†	3
<input type="checkbox"/>	TEAC222	Adolescent Development†	3
<input type="checkbox"/>	TEAC355	Gen Methods for Adolenc†	4
<input type="checkbox"/>	TEAC423	Partner & Classroom Mgmt†	3
<input type="checkbox"/>	TEAC480	Directed Teaching Seminar†	2
<input type="checkbox"/>	TEAC492	Directed Teaching	10
Total credits at LSSU			61
Total NCMC & LSSU credits			124

For more info, please contact:

Heidi Rife, DBA

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 Lake Superior State University
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 email hrife@lssu.edu

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Degree Requirements

- MTA or MACROA earned @ NCMC
- Minimum 124 total credits
- Minimum overall GPA 2.0
- Minimum departmental GPA 2.0
- 50% of 300/400 level department credits earned @ LSSU
- Professional Ed sequence courses† require minimum B- grade, including transfer credit
- Math Major courses‡ & cognate* require minimum C grade
- Teacher Education admission req'd for LSSU's education courses
- Student Teaching admission req'd for TEAC480 and 492

Checklist

- Apply to LSSU: www.lssu.edu
- \$0 Application fee
- Send all official transcripts to LSSU
- Apply for Financial Aid (LSSU's FASFA Code: 00293)

LSSU's courses may be offered on a yearly or alternating year rotation. Consultation with an advisor is recommended as course rotation is subject to change.