

ACCELERATED SECONDARY EDUCATION - MATHEMATICS (ACC)

One of the reasons mathematics is so appealing is because it's irrefutable. In our program, you'll find satisfaction in discovering the best way to get your students to the right answer, all while enjoying the challenge of complicated problems. Throughout the program, you'll learn how to use computers and computer systems in the classroom to enhance problem solving. You'll explore the relationship between a Christian worldview and a technological science. Every step of the way, you'll have experienced professors guiding you. And even though numbers may be your thing, you're certainly not a number at Concordia – you're a student who'll get to know your professors and receive meaningful mentorship, providing a workable model for the future relationships you'll form with your students.

The accelerated courses can be scheduled to complete this program in 3 years or at the pace you prefer.

Program Learning Outcomes

- 1. Learner Development:** The teacher understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences (Human Relations, Pedagogical Knowledge)
- 2. Learning Differences :** The teacher uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards. (Human Relations, Pedagogical Knowledge)
- 3. Learning Environments:** The teacher works with others to create environments that support individual and collaborative learning, and that encourage positive social interaction, active engagement in learning, and self-motivation. (Teaching Practice, Human Relations)
- 4. Content Knowledge:** The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make these aspects of the discipline accessible and meaningful for learners to assure mastery of the content. (Content Knowledge)
- 5. Application of Content:** The teacher understands how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.
- 6. Assessment Strategies:** The teacher understands and uses multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making. (Content Knowledge, Pedagogical Knowledge)
- 7. Planning for Instruction:** The teacher plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context. (Content Knowledge, Pedagogical Knowledge)

8. **Instructional Strategies:** The teacher understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to apply knowledge in meaningful ways. (Pedagogical Knowledge, Communication Skills, Teaching Practice)

9. **Professional Learning and Ethical Practice:** The teacher engages in ongoing professional learning and uses evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (learners, families, other professionals, and the community), and adapts practice to meet the needs of each learner.

10. **Leadership and Collaboration:** The teacher seeks appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession.

11. **Character/Faith Development:** All teachers model a value system which emphasizes moral and ethical character. Teachers in Christian schools integrate faith and learning while modeling Christian mission and service with a biblical worldview. Lutheran teachers adhere to the doctrine and practice of the Lutheran Church-Missouri Synod. (Human Relations, Professional Dispositions, Content Knowledge)

Curriculum

Code	Title	Hours
Undergraduate Core Requirements - Public Education		44
Public Education Major		69
Public Education Electives		7
Undergraduate Core Requirements - Lutheran Teacher Diploma		47
Lutheran Teacher Diploma Major		75
<i>Total Hours - Public Education</i>		<i>120</i>
<i>Total Hours - Lutheran Teacher Diploma or Christian Teacher Certificate</i>		<i>122</i>

Core Curriculum - 44 - 47 Credits

Concordia Common Core

Code	Title	Hours
Theology - Public Education		
REL 100	The Bible	3
REL 110	Christian Faith	3
Theology - Lutheran (LTD) & Christian (CTC)		
REL 201	Old Testament	3
REL 203	New Testament	3
REL 204	Biblical Theology	3

Code	Title	Hours
CCE 130	Christian Citizen	3
CCE 140	Science & Humanity	3
CCE 110	Western Culture & Worldview	3
CCE 120	Western Thought & Worldview	3

Liberal Arts Dimensions

ENG 210	College Writing	3
Communication or Language course		3
Faith and Life course		3
ED 1102	Foundations of Education	3
HHP 215	Fit & Well	2

Human Creativity and Expression: Art, Music, Theater, Literature or Graphic Design course	3
MATH 119 Number Sense: Teaching Pre K-9 (Counts as core mathematics course)	3
SCI 175 Introduction to Environmental Science	3
ED 1103 Human Relations for Teachers	3

Mathematics Education Curriculum - 69 credits

Code	Title	Hours
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Theoretical and Practical Component - 15 credits

ED 1230	Nature of the Exceptional Child	3
ED 1275	Human Learning	3
ED 4340	The Art and Science of Assessment and Instruction ¹	3
ED 4374	Curriculum and Methods of Teaching Mathematics - Secondary ^{1,2}	3
ED 4411	The Profession and Ethics of Teaching ¹	3

Mathematics Component - 32 credits

MATH 119	Number Sense: Teaching Pre K-9 (Counts as core mathematics course)	3
MATH 120	Data & Space: Teaching Pre K-9	3
MATH 128	College Algebra	3
MATH 150	Trigonometry	3
MATH 201	Calculus I	4
MATH 202	Calculus II	4
MATH 205	Statistics I	3
MATH 313	Math in the Middle School	3
MATH 321	Abstract Algebra	3
MATH 331	Geometry	3
MATH 495	Mathematics Education Senior Seminar	3

Clinicals and Student Teaching Component - 22 credits

ED 4501	Clinical Field Experience 1	3
ED 4502	Clinical Field Experience 2	3
ED 4507	Clinical Field Experience 7 ^{1,2}	3

Student Teaching Component (Take these courses in the same semester)

ED 4414	Portfolio Completion-Secondary ¹	1
ED 4433 & ED 4434	Secondary Ed Student Teaching 1 and Secondary Ed Student Teaching 2 ¹	12

Lutheran (LCMS Members) Teacher Diploma Requirements

ED 2306	Teaching the Faith	3
REL 404	Lutheran Confessions	3

Christian Teacher Certification Requirements

ED 2306	Teaching the Faith	3
Select one of the following:		3

REL 404	Lutheran Confessions	
REL 347	Law and Gospel in the Life of the Church	
REL 333	A Survey of Christian Thought	
PHIL 325	Christian Apologetics	
PHIL 334	Christ and Culture	

¹ Course Requires Upper Division Status.

² "The Block" classes are taken during the same semester.