

INFORMATION SHEET

**INTEGRATED MATHEMATICS LICENSURE (GRADES 7-12)
UNDERGRADUATE DEGREE [530702BA]**

General Education – 41 hrs.

Professional Education Requirements for Undergraduate Mathematics Students – 41 hrs. Required with a “C” or better and a 2.5 GPA or better

	<u>Credits</u>
<u>Professional Education</u>	
5100:200 Intro to Education	3
5100:220 Educational Psychology	3
5300:100 Orientation: AYA/P-12/Multi-Age	0
5610:225 Introduction to Exceptionalities	3
5300:320 Introduction to Teaching in the Content Area	3
5500:308 Instructional Techniques in Secondary Education	6
5500:440 Literacy in the Content Area	3
5300:420 Instructional Techniques: Math	3
5500:430 Clinical Teaching I	3
5300:495 Student Teaching [‡]	6
5300:421 Field Exper. in Instruct. Techniques in Secondary Education	3
5500:431 Clinical Teaching II	3

Content Requirements for Undergraduate Integrated Mathematics Students –2.5 GPA

Theoretical Math Option (39 credit hours)

3450:221 Analytic Geometry-Calculus I	4
3450:222 Analytic Geometry-Calculus II	4
3450:223 Analytic Geometry-Calculus III	4
3460:209 Intro to Computer Science	4
3450:312 Linear Algebra	3
3450:401 History of Mathematics	3
3450:307 Fundamentals of Adv. Math	3
3450:411 Abstract Algebra (3450:307 is prerequisite)	3
3450:441 Concepts in Geometry	4
3470:461 Applied Statistics	4

Choose ONE of the following

3450:335 Introduction to Ordinary Differential Equations	3
3450:421 Advanced Calculus I	3
3450:412 Abstract Algebra II	3

STEM-Based Option (40 credit hours)

3450:221 Analytic Geometry-Calculus I	4
3450:222 Analytic Geometry-Calculus II	4
3450:223 Analytic Geometry-Calculus III	4
3460:101 Essentials of Computer Science	3
3650:291 Elementary Classical Physics I	4
3450:312 Linear Algebra	3
3450:401 History of Mathematics	3
3450:441 Concepts in Geometry	4
3470:461 Applied Statistics	4
5500:439 Engineering For Educators	3

Choose ONE of the following

3450:208 Introduction to Discrete Mathematics	4
3450:209 Discrete Mathematics for Educators	4

Minimum number of credits hours required for graduation and licensure 120

*LeBron James Family Foundation
College of Education
Pre-Admission Advising Office
Zook Hall Room 002
330-972-7750*

[‡]All students must have the approval of the Student Teaching Committee, based upon approved application to student teaching, and passing OAE content test. Planned teaching experience in schools selected and supervised by the Office of Field experiences. To qualify for student teaching, students must have a 2.5 GPA overall, 2.5 in education classes, and 2.5 in the student’s major, in methods courses, core courses, and in their teaching fields. Satisfactory completion of a minimum of 100 hours of field experience is also required before student teaching.



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General Education Requirements for Admission to Integrated Mathematics (AYA 7-12) (2.5 GPA in the following courses.)

- Written and Oral Communication** (at least 9 credits)
- I. 3300:111 (3 cr.) English Composition I (with grade of "C" or better)
3300:112 (3 cr.) English Composition II (with grade of "C" or better)
7600:105 (3 cr.) Intro to Public Speaking (or 7600:106)
- II. **Social Science** – minimum of 3 credits. [See bulletin.]
- III. **Quantitative Reasoning** - Mathematics – minimum of 3 credits
3450:xxx Coursework offered by the Mathematics Department that meets general education math requirement (3450:100 & 140 do not count)
3470:xxx Coursework offered by the Statistics Department that meets general education math requirement.
- IV. **Natural Science** – minimum of 5 credits [See bulletin]
- V. **Teaching Field(s)** – minimum of 8 credits. [Does not include coursework already used above. A 2.50 GPA in all such coursework is required. This includes credits beyond the minimum of 8.]

College of Education Admission Requirements For Those Persons Seeking State of Ohio Licensure

All students must complete the following requirements for admission:

- A. **College of Education Application for Admission.** Responses to the questions on the application will help College of Education advisors offer the most effective and efficient advisement. It will also help advisors know students as individuals with unique backgrounds and experiences. Applications are available online at: <http://www.uakron.edu/education/academic-programs/CIS/how-to-apply.dot>.
- B. **Intercollege Transfer (Undergraduate students only).** Those students enrolled in another college wishing to complete degree requirements in the College of Education should see their advisor to initiate an intercollege transfer to the College of Education. Those students may not access College of Education core courses prior to admission. Students planning to complete teacher education as part of their degree requirements in another college need not complete an ICT.
- C. **Grade Point Average of 3.0 or better overall and 2.5 or better overall in prerequisite credit hours from specific courses identified by College Departments.**
- D. **Evidence of competency in reading comprehension and writing as demonstrated by one of the following:**
1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or higher in a course that meets the University's General Education English Composition I requirement.
- E. **Evidence of competency in mathematics as shown by one of the following:**
1. A composite ACT score of 21 or higher, or
 2. A composite SAT score of 980 (Math and Verbal) or higher, or
 3. A grade of "B" or better in a minimum of 3 credits of mathematics that meets the University's General Education mathematics requirement.
- F. **Signed Criminal Background Check Acknowledgment Form**