AYA Integrated Math-Theoretical Option (530702BA)

The following information has official approval of the **BCAS LeBron James Family Foundation (LBJFF) School of Education;** it is intended only as a supplemental guide. Official degree requirements are established at the time of admission to the School. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your Academic Advisor.

General Education courses are required for all majors. Unless a course is specified, refer to the General Education website: https://www.uakron.edu/general-education/ **OR** your Degree Progress Report (DPR) for course options.

***Preadmission Courses** – Completion of these courses (*) is required for admission into the School of Education. A minimum 2.5 GPA is required in the preadmission coursework and a **cumulative GPA** of 2.5, **including transfer work,** is required for admission. **Students must be admitted into the School of Education in order to take many of the Professional Education, Literacy Core, and Content Specific courses.**

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2023 OR LATER

1st Year	Fall Semester	Credit Hours	Prerequisites	Field Hours
*ENGL 111	English Composition I Requirement (Note a)	3	Appropriate placement by advisor	
*MATH 221	Analytic Geometry-Calculus I (Note d)	4	Appropriate placement by advisor; MATH 149 with C- or better grade	
*COMM 105 **OR** *COMM 263	Introduction to Public Speaking **OR** Prof. Comm. & Presentation	3		
*	Gen Ed Natural Science course (Note b)	3		
*	Gen Ed Social Science/DD tag (Note c)	3		
Total		**16**		

1st Year	Spring Semester			
*ENGL 112	English Composition II Requirement (Note a)	3	ENGL 111 or equivalent with grade C or higher	
MATH 222	Analytical Geometry-Calculus II (Note g)	4	MATH 221 with grade of C-or higher	
*	Gen Ed Natural Science with lab (Note b)	4		
*	Gen Ed Social Science/GD tag (Note c)	3		
Total		**14**		

2nd Year	Fall Semester			
EDFN 200	Introduction to Education (Note f)	3	ENGL 111 & COMM 105	**10 hrs**
EDSE 100	Orientation: AYA/P-12/Multi-Age	0	Corequisite: EDFN 200	
MATH 223	Analytical Geometry-Calculus III (Note g)	4	MATH 222 with grade C- or higher	
MATH 307	Fundamentals of Advanced Math (Note g)	3	MATH 222 with grade C- or higher	
CPSC 209	Computer Science I (Note g)	4	MATH 145 or 149; grade of C- or higher	
	Gen Ed Humanities	3		
Total		**17**		

2nd Year	Spring Semester	Credit Hours	Prerequisites	Field Hours
EDFN 220	Educational Psychology	3	EDFN 200 (prereq or coreq)	
EDIS 225	Intro to Exceptionalities	3	EDFN 200 (prereq or coreq)	
MATH 312	Linear Algebra	3	MATH 223 with grade C- or higher	
STAT 461	Applied Statistics I	4	MATH 222 with grade C- or higher	
	Gen Ed Arts	3		
Total		**16**		

3rd Year	Fall Semester			
EDCI 308	Instructional Design and Assessment (Note f)	6	EDFN 220 and EDIS 225	
MATH 421 OR MATH 335	Adv Calc I (Note h) OR Intro to Ordinary Differential Equations (Note h)	3	Prereq for either course is MATH 223 with grade C- or higher MATH 421 is **FALL ONLY**	
MATH 411	Abstract Algebra I (Note g)	3	MATH 307 with grade C- or higher; **FALL ONLY**	
	Gen Ed Arts or Humanities	3		
Total		**15**		

3rd Year	Spring Semester			
EDSE 314	Intro to Math Teaching in Secondary Schools	3	EDCI 308; **SPRING ONLY**	
EDCI 223	Urban Youth Mentoring (CI tag) (Note f)	3		**30 hrs**
MATH 401	History of Math (Note g)	3	MATH 307 with grade C- or higher; **SPRING ONLY**	
	General Elective or Gen Ed	3		
	General Elective or Gen Ed	3		
Total		**15**		

4th Year	Fall Semester			
EDSE 404	Secondary Math Instructional Techniques (Note f)	3	EDCI 308; Corequisite: EDSE 414 (**FALL ONLY semester prior to Student Teaching**)	**50 hrs**
EDSE 414	Clinical Teaching I – Sec Mathematics (Note f)	3	EDCI 308; Corequisite: EDSE 404 (**FALL ONLY semester prior to Student Teaching**)	**50 hrs**
EDCI 440	Literacy in the Content Areas (Note f)	3	EDCI 308	**20 hrs**
MATH 441	Concepts in Geometry (Note g)	4	MATH 307 with grade C- or higher; **FALL ONLY**	
	General Elective or Gen Ed	3		
Total		**16**	**Apply for Student Teaching & Graduation Take OAE Exam #027**	

4th Year	Spring Semester	Credit Hours	Prerequisites
EDSE 421	Instructional Techniques II	3	EDSE 404 & EDSE 414; Corequisite: EDSE 431
EDSE 431	Clinical Teaching II	3	EDSE 404 & EDSE 414. Corequisite: EDSE 421
EDSE 495	Student Teaching (Note e)	6	This is full-time teaching; no other courses permitted this semester. Approval of the Student Teaching Committee considered based upon approved application to student teaching, and passing state licensure exam(s). Planned teaching experience in schools selected and supervised by the Office of Field Experiences.
Total		**12**	

	Minimum Credits for Degree	**120**	

ALERT:
1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements and other preadmission courses;
2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.

Undergraduate Advisors: https://www.uakron.edu/education/current-students/undergraduate-advising

Faculty Advisor for program: Dr. Lynne Pachnowski, lmp@uakron.edu

Also see the School of Education website: https://www.uakron.edu/education/

Course substitutions or waivers may only be approved by the faculty advisor for this program.

NOTES:

a. **English Comp I (ENGL 111) and English Comp II (ENGL 112)** are the recommended classes to the meet the General Education Writing requirement. English (2020:121) can be used to fulfill the English Composition I requirement and Technical Report Writing (ENGL 222) can be used to fulfill the English Composition II requirement. C or higher grade required for admission to the School.

b. **Natural Science Requirement:** Seven credits of Natural Science are **required for general education and preadmission**. One course **must** include a lab section. While a variety of science courses are offered, 7 credits are required.

c. **Social Science Requirement:** 6 credits of Social Science are required for General Education and preadmission. Many Social Science courses are required for the program and will double-dip for GenEd and preadmission. See DPR for course choices.

d. **Placement for a Math/Stats/Logic course is determined through academic advisor.** Eligibility for math courses is determined via placement test score, ACT and/or SAT-R scores, AP scores, or prior college level courses.

e. The Student Teaching experience is considered full time teaching and is to be taken in the last semester of the program. Due to the nature of this experience students are not permitted to take other courses other than what is recommended in the last semester as listed above. Students must apply to student teach the **semester prior** to student teaching and should see the Director of Student Teaching regarding the experience. Dates and details can be found at: https://www.uakron.edu/education/student-teaching/

f. **FBI/BCI:** Certain education courses require BCI and FBI background checks which are used by area schools for placement made during the day. The Ohio Department of Education maintains a list of criminal convictions that disqualify applicants for a state educator license.
Please review: **https://www.uakron.edu/education/student-teaching/fbi.dot**

g. Several math courses may be selected for content area; see: https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/education/integrated-mathematics-ba/#requirementstext. Note that many of these courses may have prerequisites/corequisites and may not be offered every semester. Students may take 40 credits of Teaching Field Content Area courses in the STEM Option OR may take 40 credits of Teaching Field Content Area courses in the THEORETICAL Option. Courses in this program automatically qualify for a minor in mathematics. Contact the BCAS Advising Office for the form to add a minor.

h. If you take MATH 421 Advanced Calculus I, then MATH 422 Advanced Calculus II, and 3-6 credits of 300/400-level mathematics electives, you can get a second major in math.

NOTE: ALL Education and Literacy courses REQUIRE a C or better grade in order to student teach and graduate.

Ohio Assessments for Educators and edTPA: For state of Ohio Teacher Licensure, candidates must pass all required state examinations. See faculty advisor for additional information or review the following: https://www.uakron.edu/education/current-students/licensure/

Ohio Assessment for Educators:
Prior to Student Teaching - #27 AYA Math Content
During or After Student Teaching - #3 – Professional Ed. Knowledge or completion of edTPA

TRANSFER TO THE LBJFF SCHOOL OF EDUCATION: Students can arrange for an inter-college transfer (ICT) through an appointment with their academic advisor in their current degree-granting college.

NOTE: This document is intended to be a guide only and is subject to change without notice. Students should consult with their advisor regularly.