

2020-21 Mathematics and Secondary Education + MAT Checklist

GENERAL EDUCATION

I. Foundational Intellectual Skills (12-13 hours)

- ___ FYS110 First Year Seminar
- ___ ENG112 Writing and Community
- ___ COM101 Public Speaking

II. Knowledge Acquisition (19-20 hours)

- ___ Science 1XX with lab
- ___ HUM210 Meaning Through Culture
- ___ PHL 130 Human Nature & Person
- ___ Foreign Language

One course from each group A and B:

Group A

- ___ BUS109 Business Plan Competition
- ___ ECN200 Introductory Economics
- ___ HIS102 History of the Modern World
- ___ POL102 Introduction to American Politics

Group B

- ___ PSY101 General Psychology
- ___ PSY220 General Psychology (required for Education majors)
- ___ GST200 Introduction to Gender Studies
- ___ SOC101 Introduction to Sociology
- ___ SOC175 Introduction to Anthropology

III. Faith, Ethics, and Foundation (6 hours)

- ___ THL105 Introduction to Theology
- ___ Second Approved THL

IV. Greater Depth Cluster

- a. Completion of a minor or second major outside school (or department if College of Arts & Sciences)
- b. Completion of an interdisciplinary minor or concentration outside the first major. See catalog for approved programs.
- c. Focus on a specific theme (cluster) outside the major. See catalog for cluster course areas

Total Earned General Education Hours _____

MAJOR 1 REQUIREMENTS (33 hours)

- ___ EDU 190 Critical Service Learning I
- ___ EDU 224 Protocols of Effective Classroom Observation
- ___ SPD 230 Introduction to Special Education for General Education Teachers
- ___ EDU 290 Critical Service Learning II
- ___ EDU 307 Science of Learning
- ___ EDU 318 English Learners in Diverse and Inclusive Classrooms
- ___ EDU 351 Reading and Writing in the Content Areas
- ___ EDU 419 Best Practices for Teaching
- ___ EDU 255 Introduction to Schools and Society
- ___ EDU 390 Critical Service Learning III
- ___ EDU 446 Creating Positive Classroom Environments
- ___ EDU 490 Critical Service Learning IV
- ___ EDU 447 Assessment of Learning

MAJOR 2 REQUIREMENTS (43 hours)

- ___ MAT 230 Calculus & Analytic Geometry 1
- ___ MAT 231 Calculus & Analytic Geometry 2
- ___ CST 150 Introduction to Programming
- ___ Science Elective w/ lab
- ___ Science Elective
- ___ MAT 250 Problem Solving & Introduction to Proofs
- ___ MAT 305 Calculus & Analytic Geometry 3
- ___ MAT 322 Statistical Inference & Data Analysis
- ___ MAT 310 Linear Algebra
- ___ MAT 409 Topics in Discrete Mathematics
- ___ MAT 330 Advanced Geometry
- ___ MAT 490 Seminar
- ___ Math Elective

MAT REQUIREMENTS (30 hours)

- ___ EDU 505 Child Development and Observation
- ___ EDU 518 English Language Learners in Diverse and Inclusive Classrooms
- ___ EDU 530 Assessment of Learning
- ___ EDU 519 Best Practices in Teaching and Learning
- ___ EDU 543 Techniques for Reading and Literature Instruction
- ___ EDU 560 Internship
- ___ EDU 580 Special Topics
- ___ EDU 580 Special Topics
- ___ EDU 522 Best Practices in Science and Mathematics
- ___ EDU 560 Internship
- ___ EDU 592 Action Research in Education

Total Earned Major 1 Hours _____

Total Earned Major 2 Hours _____

Total Earned Master hours _____

Total Earned Minor/Elective Hours _____

TOTAL OVERALL EARNED HOURS _____



BA in Secondary Education and Mathematics -4 Year Plan †

Freshman Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 224	3	C	Major 1	SPD 230	3	C
Major 2	MAT 230	3	C	Major 1	EDU 190	3	C
Major 2	Science ELEC with lab	4	C	Major 2	MAT 231	4	C
General Education	FYS 110	3	D	Major 2	CST 150	3	C
General Education	Language	4	D	Major 2	Science ELEC	4	C
				General Education	ENG 112	3	B-
				General Education	ELEC	1	D
Semester Hours	17			Semester Hours	21		
Cumulative Hours	17			Cumulative Hours	38		
Sophomore Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 307	3	C	Major 1	EDU 290	1	C
Major 2	MAT 305	4	C	Major 1	EDU 351	3	C
Major 2	MAT 322	3	C	Major 2	EDU 318	3	C
General Education	PSY 220	3	C	Major 2	MAT 250	3	C
General Education	COM 101	3	B-	General Elective	ELEC	3	C
General Education	ELEC	2	D	General Education	HUM 210	3	D
				General Education	ELEC	2	D
Semester Hours	18			Semester Hours	18		
Cumulative Hours	56			Cumulative Hours	74		
Junior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 419	3	C	Major 1	EDU 255	3	C
Major 2	MAT 310	3	C	Major 1	EDU 390	3	C
Major 2	ELEC	3	C	Major 2	MAT ELEC	3	C
Major 2	MAT 330	3	C	General Education	ELEC	3	D
General Education	THL 105	3	D	General Education	POL 102/ECN 200/HIS 102	3	D
General Education	PHL 130	3	D	General Education	ELEC	4	C
Semester Hours	18			Semester Hours	19		
Cumulative Hours	92			Cumulative Hours	111		
Senior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 446	3	C	Major 1	EDU 447	3	C
Major 2	MAT 490	3	C	Major 1	EDU 490	3	C
Major 2	MAT 409	3	C	General Education	ELEC	3	C
General Education	THL 200+	3	D	General Education	ELEC	3	C
MASTER	EDU 505	3	C	MASTER	EDU 518	3	C
Semester Hours	12, 3			Semester Hours	12, 3		
Cumulative Hours	123, 3			Cumulative Hours	135, 6		
Residency							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
MASTER	EDU 530	2	C	MASTER	EDU 522	3	C
MASTER	EDU 519	3	C	MASTER	EDU 580	3	C
MASTER	EDU 543	3	C	MASTER	EDU 560	2	C
MASTER	EDU 560	2	C	MASTER	EDU 592	3	C
MASTER	EDU 580	3	C				
Semester Hours	13			Semester Hours	11		
Cumulative Hours	19			Cumulative Hours	30		

† The 4-year plan above assumes that students enter into the program with:

1. Math ACT score of 21 or higher, Math SAT score of 570 or higher, OR Math placement score of 46-53.

2. Reading ACT score of 19 or higher, Reasoning/Verbal SAT score of 530 or higher, Or Reading comprehension score lower than 12.1
 3. English ACT score of 21 or higher, SAT total score of 1200 or higher, OR writing Placement Test Score of 4 or higher
- *A minimum 2.0 cumulative GPA and a minimum 2.0 major GPA are required for graduation, so monitor your GPA closely. To meet degree requirements, however Klipsch Educator College requires higher grades in each course and a higher cumulative GPA-please follow Pathway guidelines for coursework.

