



MATHEMATICS, GRADES 5-9

EDUCATOR PREPARATION PROGRAM NAME CENTRAL METHODIST UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 630984
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INSTRUCTIONS

Please complete Educator Preparation Program (EPP) Name & EPP Code above.

Certification Requirements:

- **Course Number** – List the course number(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- **Course Title** – List the course title(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- **Semester Hours** – List the number of semester hours for each specific section. It is possible to use decimals (to the nearest tenth) to indicate partial use of a course to meet a requirement. The total number of semester hours must meet or exceed the minimum required number of semester hours.

Email the completed cover sheet, curriculum matrix, and advising/program information to DESE.MoSPETransition@dese.mo.gov on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573/751-1668 or DESE.MoSPETransition@dese.mo.gov

A. Professional Requirements (Minimum of 45 semester hours)

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	ED370MA ED453	Teaching Methods in the Content Area Education as a Profession	0 2
b. Instructional Strategies and Techniques in Content Area Specialty	ED370MA	Teaching Methods in the Content Area	3
c. Assessment, Student Data, and Data-Based Decision-Making	ED370MA ED453	Teaching Methods in the Content Area Education as a Profession	0 0
d. Strategies for Content Literacy	ED471	Reading & Writing in the Content Area	0
e. Critical Thinking and Problem Solving	ED453	Education as a Profession	0
f. English Language Learning	ED101 ED471	Foundations of Education, Diversity, and ELL Reading & Writing in the Content Area	2 0

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PY223	Developmental Psychology	3
b. Psychology/Education of the Exceptional Child	PY342	Psychology of the Exceptional Child	2
c. Differentiated Learning	ED370MA PY342	Teaching Methods in the Content Area Psychology of the Exceptional Child	0 0
d. Classroom Management	ED313	Classroom & Behavior Management	3
e. Cultural Diversity	ED101 ED453	Foundations of Education, Diversity, and ELL Education as a Profession	0 0
f. Educational Psychology	PY210	Educational Psychology	3

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	ED453	Education as a Profession	0
b. Legal/Ethical Aspects of Teaching	ED101 ED453 ED454	Foundations of Education, Diversity, and ELL Education as a Profession Student Teaching Seminar	0 0 2
c. Middle School Philosophy and Organization	ED314	History, Philosophy, and Curriculum of Middle-Level Education	3

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4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	ED471	Reading & Writing in the Content Area	3
b. Instructional Interventions for Students with Reading Deficits	ED470	Instructional Interventions for Students with Learning Deficits	3
5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)			
	Course Number	Course Title	Semester Hours
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics Students should choose 24 hours in math from courses listed in consultation with their advisors.	MA103 MA104 MA105 MA107 MA112 MA118 MA209 MA224 MA303 MA305 MA308 MA315 MA317 MA318 MA319 MA320 MA321	College Algebra Analytic Geometry and Trigonometry Elementary Statistics Discrete Mathematics Selected Topics in Calculus Calculus and Analytic Geometry I Calculus and Analytic Geometry II Mathematics for Elementary & Middle School History of Mathematics Statistics II Calculus and Analytic Geometry III Differential Equations Modern Algebra Matrices and Linear Algebra College Geometry Writing Mathematical Documents Introduction to Real Analysis	24
f. Science			
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			53
B. Field and Clinical Experiences (Minimum of ten semester hours)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	ED102 (18 hours) ED105 (12 hours)	Field Experience I Field Experience II	1 0
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	PY343 (18 hours) ED370MA (15 hrs) ED471 (12 hours)	Psychology of the Exceptional Child (Prac) Teaching Methods in the Content Area Reading & Writing in the Content Area	1 0 0
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	ED462 (16 week placement)	Supervised Student Teaching	10
Field and Clinical Experiences - Total Semester Hours			12