

CMAT - MAT Certification

CMAT 5000 Teaching in a Diverse Society (3)

Students explore issues in teaching in a multicultural setting, examining the implications of diverse student populations and emphasizing values and beliefs about learning and teaching. The course explores the historical and philosophical foundations of education, focusing on the implications for current diverse classrooms. Students will examine traditional and contemporary philosophies in their historical context and discuss the impact of these on student and teacher roles, curriculum, assessment and instruction, and classroom organization and management. **Co-requisite:** CMAT 5001.

CMAT 5001 Introductory Teaching Practicum (1)

This is a supervised practicum experience for teacher education students. Students will learn about and engage in professional practices related to teaching. Students will engage in observation of teachers and students in specific classroom settings. Must be completed with a grade of B or better. **Co-requisite:** CMAT 5000.

CMAT 5009 Writing Instruction (3)

Students examine current theories and practices for writing instruction. Students discuss elements such as the history of rhetoric, writing traits, writing forms and writing for different purposes as well as audiences. Based on contemporary theories and digital applications used in today's classrooms, students practice designing writing assignments. Other key topics include multimodal writing, creating writing curriculum and assessment of writing. Students practice the composition process by designing a digital writing process project.

CMAT 5015 Inclusive Practices and Methods for Teaching English Learners (3)

This course surveys current theory and practice in planning, implementing and monitoring instruction to meet the needs of students having diverse learning needs including linguistically and culturally diverse students and students with disabilities in a variety of classroom contexts. Topics include the following: inclusive education philosophy and research, co-teaching and collaborative practice, parent collaboration and communication, facilitating peer supports, curriculum adaptations and differentiated instruction.

CMAT 5030 Topics in Content Area Studies (1-3)

Utilizing an experiential and self-guided approach to content area learning, candidates will engage in learning and development in their subject area. Candidates will be given an opportunity to check their content knowledge. Depending on their need for content area subjects, they will choose this course as needed.

CMAT 5035 Topics in K-12 Student Development and Learning (3)

Candidates will examine a specific topic(s) related to the emotional and cognitive development of K-12 grade students or an aspect of classroom management and learning strategies. May be repeated once for credit. **Prerequisite:** CMAT 5000.

CMAT 5090 Practicum: Elementary School (1-3)

This practicum is in an elementary school setting for 45-135 hours in a classroom involving observations, lesson planning and teaching. A schedule of when the teacher candidate is in the classroom is established in conjunction with the cooperating teacher. To enroll in a practicum, students must make formal application to the Office of Apprentice Teaching and Field Experience. Practicum applications for Spring placement are

due by September 15. Practicum applications for Fall are due by February 15. Passport Tasks 1-5 must be completed before the start of practicum. **Co-requisite:** CMAT 5199.

CMAT 5091 Apprentice Teaching: Elementary School (9)

Teacher certification students only. This course is meant for students seeking certification in elementary school education. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisite:** B or better in CMAT 5090, approved application one semester prior.

CMAT 5096 Apprentice Teaching Seminar (1)

This seminar will help students in their apprentice teaching focus on multiple factors affecting their classroom experiences, student interactions and curriculum (including planning, classroom organization and structure, unit and lesson planning, and student assessment) through the creation of a Teacher Work Sample. The course is designed to better prepare each student to meet the MoSTEP Standards. The seminar is a concurrent registration with the appropriate apprentice teaching course.

CMAT 5100 Practicum: Middle School Language Arts (1-3)

This practicum is in a middle school setting for 45-135 hours in a classroom involving observations, lesson planning and teaching. A schedule of when the teacher candidate is in the classroom is established in conjunction with the cooperating teacher. To enroll in a practicum, students must make formal application to the Office of Apprentice Teaching and Field Experience. Practicum applications for Spring placements are due by September 15. Practicum applications for Fall are due by February 15. Passport Tasks 1-5 must be completed before the start of practicum. **Co-requisite:** CMAT 5199.

CMAT 5101 Practicum: Middle School Mathematics (1-3)

This practicum is in a middle school setting for 45-135 hours in a classroom involving observations, lesson planning and teaching. A schedule of when the teacher candidate is in the classroom is established in conjunction with the cooperating teacher. To enroll in a practicum, students must make formal application to the Office of Apprentice Teaching and Field Experience. Practicum applications for Spring placements are due by September 15. Practicum applications for Fall are due by February 15. Passport Tasks 1-5 must be completed before the start of practicum. **Co-requisite:** CMAT 5199.

CMAT 5102 Practicum: Middle School Science (1-3)

This practicum is in a middle school setting for 45-135 hours in a classroom involving observations, lesson planning and teaching. A schedule of when the teacher candidate is in the classroom is established in conjunction with the cooperating teacher. To enroll in a practicum, students must make formal application to the Office of Apprentice Teaching and Field Experience. Practicum applications for Spring placements are due by September 15. Practicum applications for Fall are due by February 15. Passport Tasks 1-5 must be completed before the start of practicum. **Co-requisite:** CMAT 5199.

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Practicum applications for Fall are due by February 15. Passport Tasks 1-5 must be completed before the start of practicum. **Co-requisite:** CMAT 5199.

CMAT 5140 Digital Pedagogy and Assistive Learning Technologies (1-3)

This course utilizes hands-on and project-based activities to teach instructional technology use and integration to students. In the course, students engage with using classroom technologies for teaching learners from Pre-K-12. The use of technologies for instructional planning and design, data gathering and assessment as well as Universal design for learning will be demonstrated and practiced. The course explores technology integration based on student engagement with productivity applications, interactive and cloud-based platforms as well as assistive technologies.

CMAT 5170 Classroom and Behavioral Management (3)

This course introduces classroom management and behavior management strategies for today's classroom. It is designed to offer pre-service teachers an opportunity to investigate current research-based techniques that are considered "best practices". This course is designed to meet Standard # 5 of the Missouri Standards for the Preparation of Educators, which states, "The teacher uses an understanding of individual/group motivation and behavior to create a learning environment that encourages active engagement in learning, positive social interaction and self-motivation." (MoSPE Standards & Quality Indicators).

CMAT 5180 Elementary Arts and Humanities Methods (3)

Students in this course apply curricular and instructional objectives for teaching K-6 students Arts, Humanities and Social Studies. Materials, techniques and resources are emphasized. Arts and Humanities are broad and encompassing areas of elementary classroom teaching. Content areas that focus on the language arts and social studies are richly integrated with art history, art techniques and many forms of visual art. This includes working with students from a variety of multicultural groups as well as learning how to work with teachers in other subject areas in order to integrate curriculum. Social Science Content Standards for social studies are also of importance. **Prerequisite:** Eligible for admission to Teacher Certification.

CMAT 5190 Elementary STEM Methods (3)

In this course students learn and apply effective practices for teaching elementary science and mathematics using integrated STEM approaches. Instructional methods that are based on inquiry-based learning, number talks, scientific thinking as well as varied interactive activities and discussion protocols. Topics that will be covered include meaningful mathematics learning and Next Generation Science Standards. Candidates will create an integrated unit plan that applies critical thinking, STEM principles and learning standards. **Prerequisite:** Eligible for admission to Teacher Certification.

CMAT 5199 Practicum Seminar (1)

This seminar corresponds to the teacher certification practicum experience. It is designed for teacher candidates and focuses on their attainment of highly effective teaching practices. These include teacher presence, classroom organization and structure, lesson planning and student assessment based on sound data analysis. The course is designed to prepare each teacher candidate to process the activities of the field-based classroom

practicum. An overarching goal is the documentation and attainment of Missouri Teacher Standards as measured by the Missouri Educator Evaluation Systems (MEES) **Prerequisite:** Eligibility for admission to Teacher Certification and filing of appropriate application form by the posted deadline. **Co-requisite:** CMAT 5090 or CMAT 5100 or CMAT 5101 or CMAT 5102 or CMAT 5103 or CMAT 5104 or CMAT 5105 or CMAT 5106 or CMAT 5107 or CMAT 5108 or CMAT 5109 or CMAT 5110 or CMAT 5111 or CMAT 5112 or CMAT 5113.

CMAT 5200 Apprentice Teaching: Middle School Language Arts (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisites:** B or better in CMAT 5100, approved application one semester prior.

CMAT 5201 Apprentice Teaching: Middle School Mathematics (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisites:** B or better in CMAT 5101, approved application one semester prior.

CMAT 5202 Apprentice Teaching: Middle School Science (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisites:** B or better in CMAT 5102, approved application one semester prior.

CMAT 5203 Apprentice Teaching: Middle School Social Science (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisites:** B or better in CMAT 5103, approved application one semester prior.

CMAT 5204 Apprentice Teaching: Secondary English (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisites:** B or better in CMAT 5104, approved application one semester prior.

CMAT 5205 Apprentice Teaching: Secondary Mathematics (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers. **Prerequisites:** B or better in CMAT 5105, approved application one semester prior.

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CMAT 5206 Apprentice Teaching: Secondary Social Science (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5106, approved application one semester prior.

CMAT 5207 Apprentice Teaching: Secondary Biology (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5107, approved application one semester prior.

CMAT 5208 Apprentice Teaching: Art K-12 (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5108, approved application one semester prior.

CMAT 5209 Apprentice Teaching: French K-12 (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5109, approved application one semester prior.

CMAT 5210 Apprentice Teaching: German K-12 (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5111, approved application one semester prior.

CMAT 5211 Apprentice Teaching: Spanish K-12 (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5106, approved application one semester prior.

CMAT 5212 Apprentice Teaching: K-12 Special Education (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5112, approved application one semester prior.

CMAT 5213 Apprentice Teaching: Secondary Chemistry (9)

Teacher certification students only. The apprentice teaching experience is an intensive, full semester field experience in which

students are provided the opportunity to instruct under the expert supervision of university supervisors and cooperating teachers.

Prerequisites: B or better in CMAT 5113, approved application one semester prior.

CMAT 5225 Education Passport 1 (0)

The Department of Teacher Education Passport is an integral element in the assessment system for initial teacher certification programs. This system is designed to foster the development of knowledge, skills, and dispositions for pre-service teacher candidates in the digital age. Using a self-directed approach, pre-service teachers will upload artifacts in the digital passports. Completion of Passport 1 is required for admission to teacher certification. Admission is granted when candidates successfully submit the four assignments accompanied by highlights, annotations, and/or short reflections and have met the other admissions criteria.

CMAT 5270 Methods of Teaching Elementary Reading (3)

This is an introductory course in reading methodology for elementary education, early childhood and special education initial teacher certification candidates. It is the first in a series of three courses required for certification. The focus is on reading methods and specific techniques appropriate for emergent readers and developmental readers in elementary grades. A review of best practices in reading instruction, based on both current research and practice, informs graduate students so they can provide instruction for diverse learners at all levels. This course offers a solid background in reading instruction for students who have not had prior coursework in reading.

CMAT 5275 Education Passport 2 (0)

The Department of Teacher Education Passport is an integral element in the assessment system for initial teacher certification programs. This system is designed to foster the development of knowledge, skills, and dispositions for pre-service teacher candidates in the digital age. Using a self-directed approach, pre-service teachers will upload artifacts in the digital passports. Completion of Passport 1 is required for admission to teacher certification. Admission is granted when candidates successfully submit the four assignments accompanied by highlights, annotations, and/or short reflections and have met the other admissions criteria. **Prerequisite:** CMAT 5225.

CMAT 5280 ELEM/SPED Teaching Reading and Writing in the Content Areas (3)

This course is designed for elementary, early childhood and special education initial teacher certification candidates to examine the reading-writing connection and develop methods for teaching their students critical thinking skills and problem solving in the area of literacy. Participants will study frameworks for fostering comprehension including analytical and critical reading and content literacy.

CMAT 5290 ELEM/SPED Differentiated Reading Assessment and Intervention (3)

This course is designed for elementary, early childhood and special education initial teacher certification candidates. Candidates will learn about the best practices in developmental reading for struggling readers and learners with reading disabilities. The purpose of this course is threefold: (1) to increase knowledge and understanding of the process of reading, (2) to increase competency in the diagnosis of specific areas of

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weakness that can interfere with the reading process, and (3) to develop intervention strategies for struggling readers and learners with reading disabilities. Webster students will use formal and informal reading assessments to evaluate reading abilities and implement research-based intervention strategies.

CMAT 5350 Arts and Humanities Methods (3)

This course engages skills and strategies for teaching the Arts, Humanities and Social Studies to students. The scope of the course is Middle School and Secondary School Language Arts, Social Studies and Humanities as well as K-12 Art and World Language. It emphasizes materials, techniques and resources for teaching distinct curricular methods as well as integrative methods. Students in this course develop abilities to utilize integrative methods such as verbal, visual, musical and kinesthetic activities in the visual, performing, language arts and social studies classrooms. **Prerequisite:** Eligible for admission to Teacher Certification.

CMAT 5360 STEM Methods (3)

This course affords students the opportunity to focus on best practices in the middle school and secondary science and mathematics classroom. Instructional methods to enrich learning will be examined with readings from authors that are experts in their field covering topics such as growth mindset, number talks, Argument Driven Inquiry (ADI), varied engagement and discussion protocols and backwards design in lesson planning. These topics will also be explored while examining how to best engage learners in rigorous, relevant and engaging lessons that are applicable to real world situations. Students will engage in a variety of activities that will yield a deeper command and understanding of the CCSS Math Standards and Next Generation Science Standards leading to creation of a unit plan. **Prerequisite:** Eligible for admission to Teacher Certification.

CMAT 5380 Teaching Reading and Writing in the Content Areas (3)

This course will present a broad spectrum of reading and writing strategies necessary for understanding text. Participants study the different kinds of reading and writing required for varied situations and materials and consider problems such as adjusting assignments to different rates, providing assistance in content assignments and dealing with non-proficient readers and writers. A content area unit is part of the course evaluation and includes vocabulary as well as pre-reading, during reading, post reading and writing strategies, in addition to formative and summative assessments. This course is used for middle and secondary school initial teacher certification. Assessment and instructional strategies will be discussed and applied in class as well as in assignments.

CMAT 5390 Differentiated Reading Assessment and Intervention (3)

The focus of this class will be on planning interventions based on interpretation of formal and informal reading assessments for students in grades 6-12. An emphasis will be on current theory and best practices in literacy. Participants will design intervention strategies in response to assessment data. This course is used for middle and secondary school initial teacher certification.

CMAT 5505 Psychological Foundations of Education (3)

This course explores the interaction of developmental and educational psychology. Learning, cognition, motivation,

personality, and emotions are examined in an effort to see the child as a whole person functioning in the school environment. Theories of development and learning theory are interrelated and integrated with observations of children and adolescents and discussions of educational applications. Intracultural and intercultural variations in development are examined.

CMAT 5700 Middle School History and Philosophy (3)

Students examine the history of the middle school movement and its evolving philosophy. Implications for school design, organization and curricula are also studied.