Secondary School Education (MAT)

This program is offered by the School of Education.

Program Description
The MAT in secondary school education degree program at Webster University provides candidates with a strong foundation in content knowledge and early adolescent development. It is centered around contemporary design-based research principles with a focus on how students learn within inquiry based environments. This degree emphasizes practices associated with inquiry based learning, differentiated instruction, and culturally responsive teaching.

This graduate degree program is designed to lead to initial Missouri Teacher Certification in Secondary School Education. Please note that certifications for Art, French, German, and Spanish are for grades K-12.

• Art (K-12)
• English (9-12)
• French (9-12)
• German (9-12)
• Mathematics (9-12)
• Social Studies (9-12)
• Spanish (9-12)
• Unified Science: Biology (9-12)

This program is offered at the St. Louis home campus.

Learning Outcomes
The goals of the MAT in secondary school education are to cultivate graduates who are:

1. Knowledgeable Learners
Candidates in the Secondary School MAT will:

• Understand, demonstrate, and apply in-depth knowledge of their chosen discipline(s).
• Embrace the synergy of collaborative learning.
• Understand how to guide students through a period of significant developmental change as emerging adults.

2. Informed Instructors
Candidates in the Secondary School MAT will:

• Develop curriculum and assessments based on the best educational theory, practice, research, national, state, and content standards.
• Motivate students to learn by implementing instruction based on the developmental needs of adolescents.
• Apply the best academic, social, and technological tools to address the needs of the 21st century learner.

3. Reflective Collaborators
Candidates in the Secondary School MAT will:

• Demonstrate collaborative skills in working with colleagues, students, and families in schools and communities to support student learning.

4. Responsive Educators
Candidates in the Secondary School MAT will:

• Recognize, appreciate, and respond to the needs of diverse learners based on theory and research of developmental sciences.
• Create a positive, productive learning community that responds to the needs of individual learners.
• Celebrate and integrate the talents and cultures of each student.

Degree Program Requirements
The following 22 hours of courses and 13 hours of field experiences are required to earn the MAT degree in secondary school education. Students are advised that initial teacher certification in secondary education may require more hours than are listed for the MAT degree program. Students must consult an advisor in order to obtain a personalized program of study.

Foundations
• CMAT 5000 Teaching in a Diverse Society (3 hours)
• CMAT 5015 Differentiated Instruction and Assessment (3 hours)
• EDTC 5410 In-Service Topics in Educational Technology (1 hour)
• CMAT 5505 Psychological Foundations of Education (3 hours)*

*Degree requirement only for Art and World Language certifications.

Methods
• CMAT 5170 Classroom and Behavioral Management (3 hours)
• COMM 5920 Reading and Writing in the Content Field (3 hours)
• COMM 5187 Secondary Techniques (3 hours)
• COMM 5905 Reading Assessments and Interventions Grades 6-12 (3 hours)*

*Not required for Art and World Language certifications.

Content Methods – (based on certification content area) (3 hours)

• Art - Elementary Art Methods (ART 3910)*
• Art - Secondary Art Methods (ART 4930)
• English - Methods of Teaching Secondary English (COMM 5540)
• Foreign Language - Foreign Language Methods (ILC 5180)
• Math - Methods of Teaching Secondary Math (MTHT 4460)
• Unified Science - Methods of Teaching Secondary Science (SCIN 4060)
• Social Studies - Methods of Teaching Secondary Social Studies (SOCS 5010)

* Certification requirement only. May not count toward the degree.

Clinical Experiences
Practicum (3 hours)

• CMAT 5104 Practicum: Secondary English (3 hours)
• CMAT 5105 Practicum: Secondary Mathematics (3 hours)
• CMAT 5106 Practicum: Secondary Social Science (3 hours)
• CMAT 5107 Practicum: Secondary Unified Science: Biology (3 hours)
• CMAT 5108 Practicum: Art K-12 (3 hours)
• CMAT 5109 Practicum: French K-12 (3 hours)
• CMAT 5110 Practicum: German K-12 (3 hours)
• CMAT 5111 Practicum: Spanish K-12 (3 hours)

Apprentice Teaching

• CMAT 5204 Apprentice Teaching: Secondary English (9 hours)
  or CMAT 5205 Apprentice Teaching: Secondary Mathematics (9 hours)
  or CMAT 5206 Apprentice Teaching: Secondary Social Science (9 hours)
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or CMAT 5207 Apprentice Teaching: Secondary Unified Science: Biology (9 hours)
or CMAT 5208 Apprentice Teaching: Art K-12 (9 hours)
or CMAT 5209 Apprentice Teaching: French K-12 (9 hours)
or CMAT 5210 Apprentice Teaching: German K-12 (9 hours)
or CMAT 5211 Apprentice Teaching: Spanish K-12 (9 hours)
• CMAT 5096 Apprentice Teaching Seminar (1 hour)

Total: 35 hours

Other Certification Requirements
• CMAT 5505 Psychological Foundations of Education (3 hours)
• SPED 5860 Psychology of the Exceptional Child (3 hours)
• Supplemental content courses as determined by content assessment taken in CMAT 5000
• Content area courses as required for initial state certification

Content Areas
Students choose one of the following content areas in which to seek initial teacher certification. Students must maintain a minimum GPA of 3.0 in their content area in order to be recommended for certification.

Art - K-12 (30 hours)
• Art for the Elementary Grades (ART 3910)
• Design
• Drawing
• Painting
• Graphics (Printmaking photography, serigraphy)
• Ceramics
• Sculpture
• Fibers (Papermaking, weaving, macramé, fiber sculpture)
• History, Theory, Criticism in Visual Art (min. 3 credits)
• Art Electives

English (33 hours)
• 12 hours Composition, Rhetoric, Grammar (to include a course in the teaching of writing)
• 6 hours Study of the English Language (to include modern grammar, history of the language, and/or dialects)
• 6 hours American Literature (to include one course focusing on multi-ethnic literature)
• 6 hours English and/or World Literature
• 3 hours Young Adult Literature

Foreign Language (Spanish, French, German) - K-12
Thirty (30) semester hours in the Foreign Language to be taught, or twenty-seven (27) semester hours plus two (2) or more earned units of high school credit in that language.

Coursework should include the understanding and appreciation of the foreign culture and civilization. Students must demonstrate proficiency in the areas of listening comprehension, speaking, reading, and writing by obtaining a written release from the Department of International Languages & Culture.

Math (36 hours)
• 24 hours to include:
  • Calculus & Analytic Geometry (min 9 hrs)
  • Algebraic Structures (3 hours)
  • Geometry (3 hours)
  • Computer Science (3 hours)
• Electives from above: 6 hours
• A minimum of twelve (12) semester hours from at least three (3) areas of Mathematics such as the following:
  • History of Mathematics (3 hours)
• Structure of the Real Number System (3 hours)
• Number Theory (3 hours)
• Completion Calculus Sequence (3 hours)
• Probability and Statistics (3 hours)
• Computer Science (3 hours)
• Linear Algebra (3 hours)

Unified Science: Biology (44 hours)
• 3 hours History/Philosophy of Science & Technology (PHIL 2330)
• 6 hours Biology (to include Zoology & Botany w/labs)
• 6 hours Chemistry w/labs
• 6 hours Physics w/labs
• 6 hours Earth Science
• 3 credits Environmental Science
• 14 additional hours in Biology to include: Zoology, Botany, Genetics, Cell/Biochemistry, Microbiology, Anatomy & Physiology, Ecology, Evolution

Social Studies (39 hours)
• 12 hours U.S. History
• 9 hours World History
• 6 hours Political Science (to include U.S. and state government)
• 6 hours Behavioral/Social Sciences (including sociology, anthropology, and psychology)
• 3 hours Economics
• 3 hours Geography

Admission
Students who are interested in applying to this degree program should also see the Admission Section of this catalog for general requirements.

Admission Requirements
• Receipt of official transcripts from the baccalaureate granting institution.
• Undergraduate cumulative GPA of 2.75.
• B- or better in college-level mathematics.
• B- or better in college-level composition.

Send all required documents to the following address:
Office of Admission
Webster University
470 East Lockwood Ave.
St. Louis, MO 63119

Advancement to Candidacy
Advancement to Candidacy (ATC) represents a significant milestone in a candidate's academic career. Candidates who successfully advance to candidacy have demonstrated mastery of program standards and may continue enrolling in courses to complete their major. In the case of the MAT ATC means that a student is formally enrolled in the initial teacher certification program.

Advancement to Candidacy occurs provided that a student:
1. Completes 15 hours of graduate credit with grades of B or better (including CMAT 5000)
2. Completes Passport 1
3. Is accepted into the Teacher Certification program (contact the School of Education Teacher Certification Office for more information)
4. Remains in good academic standing and maintains a cumulative GPA of 3.0
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After 15 hours of graduate credit, candidates will be restricted from registering in further coursework until advanced to candidacy.

Requirements for MAT Degree and Missouri Initial Teacher Certification in Secondary School Education (Grades 9-12)

Transcript Evaluation

Students must make available official academic transcripts to the Coordinator of Teacher Certification in the School of Education in order to complete an evaluation of coursework. Based on this transcript evaluation the Coordinator of Teacher Certification will identify the exact number of credit hours that an MAT candidate will require to complete initial teacher certification with respect to Missouri Department of Elementary and Secondary Education (DESE) requirements. Prior coursework, such as transfer courses and content area courses, will be identified from the students’ transcripts. Using this evaluation, an academic advisor, in conjunction with the Coordinator of Teacher Certification, will prepare a personalized program of study for the student.

Background Checks

Students are required to obtain various annual background checks prior to field experiences. The state requires current fingerprint clearance prior to issuing the teaching certificate.

Certification Hours

To achieve Missouri state certification in Elementary School Education candidates are required to take more than 22 credit hours (plus 13 credit hours of field experiences).

State Assessments

To obtain a teaching licensure in Missouri, students are required to complete a number of state assessments. State required assessments are administered by designated agencies, and students are required to pay all associated fees. All state assessments are administered in computer based format.

Students must pass the state-required Content Area Examination before Apprentice Teaching Orientation.

Successful completion of the Missouri Pre-Service Teacher Assessment (MoPTA) is required in order to obtain a recommendation for initial teacher certification from Webster University. Such recommendation must be presented to the Missouri Department of Elementary and Secondary Education (DESE) by the university in order for a candidate to earn teacher licensure in the state of Missouri.

Application and Eligibility to Secondary School Practicum

Registration in a Secondary School Practicum must be approved by the student’s advisor by September 15 for Spring placement and by February 15 for Fall placement. Applications for practicum are completed through TK20. Directions are located on the School of Education website. No late applications will be accepted. A grade of B or higher is required for successful completion of the practicum. Concurrent registration in CMAT 5199, Secondary Seminar is also required.

Application to Apprentice Teaching: Secondary School

Successful completion of Apprentice Teaching: Secondary School is required to meet the graduation requirements of the MAT in Secondary Education. Application and registration in apprentice teaching must be approved electronically by the student’s advisor by September 15 for Spring placement and by February 15 for Fall placement. Applications for apprentice teaching are completed through TK20. Directions are located on the School of Education website. Students who are full-time paraprofessionals or teachers in an approved educational setting may be eligible to earn credit for Apprentice Teaching through an assessment process.

Eligibility requirements for acceptance to Apprentice Teaching

1. Students must have successfully completed all required courses for initial teacher certification in Secondary School Education.
2. Students must have successfully completed the appropriate Secondary School Practicum with a grade of B or higher.
3. Students must have passed the state-required Content Area Exam with a score equal to or greater than the Missouri qualifying score prior to Apprentice Teaching Orientation. Students should talk to their advisor or the teacher certification professionals at Webster University in order to understand how DESE changes are accommodated in their personalized program of study.