

# MTMS: TEACHING MATH AND SCIENCE (MTMS)

## Program Description

School of Education Graduate Faculty (<http://client-snap.dev8.leepfrog.com/spu/external.html?link=https://spu.edu/academics/school-of-education/graduate-programs/graduate-faculty-staff>)

School of Education Graduate Programs Website (<http://client-snap.dev8.leepfrog.com/spu/external.html?link=https://spu.edu/academics/school-of-education/graduate-programs>)

The Master's in Teaching Math and Science (MTMS) (<http://spu.edu/academics/school-of-education/graduate-programs/masters-programs/master-in-teaching-mathematics-and-science/>) program at Seattle Pacific University integrates Washington Residency Teacher Certification (<http://www.k12.wa.us/certification/teacher-certificate/>) with a Master in Teaching Math and Science degree. Candidates in the MTMS program become effective teachers by:

- Demonstrating effective and equitable teaching practices.
- Centering instruction on high expectations for student achievement, including culturally responsive teaching practices.
- Recognizing and responding to individual student learning needs.
- Providing clear and intentional focus on subject matter content and curriculum.
- Fostering and managing a safe, positive, and inclusive learning environment.
- Using multiple student data elements to modify instruction and improve student learning.
- Communicating and collaborating with parents and the school community.
- Exhibiting collaborative and collegial practices focused on improving instruction and learning.
- Developing professional wellness habits in order to persist and thrive in the teaching profession.

## Alternative Routes

The AMTMS program recognizes the alternative routes to certification that have been identified by the Professional Educator Standards Board (PESB) (<http://www.pesb.wa.gov/>). These routes are for individuals who possess a unique set of qualifications and wish to earn a Washington state Residency Certificate. SPU is approved to offer Routes 2, 3, and 4. Students should refer to the PESB Alternative Routes site (<http://www.pesb.wa.gov/pathways-workforce-development/future-educators/alternative-routes-to-teacher-certification/>) for more information.

## Admission Requirements

Applicants must submit the following items to the Graduate Admissions (<http://www.spu.edu/prospects/grad/>)

- Online application (<http://admissions.spu.edu/apply/>) and \$50 application processing fee.
- Official transcript(s) from each college or university attended.
  - If your degree is not from a U.S. college or university, please arrange for your transcript to be evaluated by a NACES member (<http://www.naces.org/>)-recognized credential service.

Acceptable credential services include, but are not limited to, World Education Services (<http://www.wes.org/>) (WES) and Foundation for International Services (<http://www.fis-web.com/>) (FIS).

- Personal statement (1–2 pages).
- Résumé.
- Two to four letters of recommendation.
- Preferred WEST-B ([http://www.west.nesinc.com/TestView.aspx?f=HTML\\_FRAG/WA095\\_TestPage.html](http://www.west.nesinc.com/TestView.aspx?f=HTML_FRAG/WA095_TestPage.html)) scores including 240 on each subtest: reading, writing, and mathematics.
  - Applicants may use a combination of SAT, ACT, and WEST-B scores to meet the WEST-B requirement (reading writing, mathematics). Please contact the Graduate Admissions (<http://spu.edu/graduate-center/>) if you have questions.
  - Minimum SAT scores required - Math: 515, Reading: 500, Writing: 490.
  - Minimum ACT scores required - Math: 22, Reading: 22, Writing: 8.
- Taking the state endorsement test ([http://www.west.nesinc.com/PageView.aspx?f=GEN\\_Tests.html](http://www.west.nesinc.com/PageView.aspx?f=GEN_Tests.html)).
  - You must take the endorsement test(s) for your intended endorsement area(s). Tests should be passed prior to the start of the graduate teacher education program.
  - Several NES study guides are located on the main floor Reference section of SPU's Ames Library (<http://spu.edu/library/>) If you are admitted, you may use your SPU account to check out online study guides from the library.
- Verify endorsement readiness.
  - Endorsements are the content and grade levels a teacher is prepared to teach. The Professional Education Standards Board (PESB) (<http://www.pesb.wa.gov/preparation-programs/standards/endorsement-competencies/>) provides a comprehensive list of endorsements and the required content competencies and assessments.
  - If your college major matches your intended endorsement, complete the Endorsement Verification form in the application.
  - If your major does not match your intended endorsement, please contact our Certification Office ([soe-cert@spu.edu](mailto:soe-cert@spu.edu)). Complete the Endorsement Verification form *only after* contacting the Certification Office. On the form, indicate that you have been in contact with the Certification Office and list your "Approved Plan of Study" if one has been developed.
- Shortage-area requirement.
  - Students enrolled in an alternative routes to certification program must be pursuing at least one endorsement in a subject and/or geographic area as defined by PESB including but not limited to special education, elementary, English language arts, Spanish, social studies, and English language learners. Students with a local shortage area (district wide) are eligible as long as the district is able to verify there is a local shortage. The current shortage areas can be found on the PESB website (<http://www.pesb.wa.gov/workforce/educator-shortage/>). If you do not meet the shortage area requirement and would like to participate in the accelerated version of our MTMS program, please contact the School of Education for additional options for students in this situation.
- Moral Character and Personal Fitness Policy form (found in the online application).

Applicants with complete files submitted by the deadline are screened for interviews in March. Invitations to interview are sent by email.

## Contact

If you have questions about graduate education or certification programs:

- Email: gradadmissions@spu.edu
- Phone: 206-281-2091

## Internship

Internships begin in late August as K–12 teachers return to school for in-service training. Candidates intern across the school year, while completing online and on-campus coursework. On-campus and online coursework integrate internship experiences to assist candidates in applying educational theory and research to planning, instruction, and assessment.

Candidates are paired with a mentor teacher and university field supervisor in a supervised school setting. Your internship is five days a week during an entire K–12 school year, including in-service and end-of-the-year activities. There are monthly internship release days so that candidates have time to devote attention to other program requirements.

Candidates and mentor teachers follow a co-teaching model, where responsibility for planning, instruction, management, and assessment is shared. You will begin your internship with focused observations and progress to independent teaching. Across internship, you will complete assignments designed to maximize learning from field experiences, such as a classroom management plan, internship reflections, lesson plans, a family engagement plan, and program assessments. Internship concludes with you returning control of classroom responsibilities to your mentor teacher.

## Completion of the MTMS Degree

Candidates earn the MTMS degree by completing 3 graduate-level courses, totaling 9 credits. These classes are taken at the regular graduate tuition rate. Classes required for the MTMS degree are not needed for certification. However, most candidates complete degree requirements immediately following certification to increase their base salary. Candidates may delay completion of degree requirements for five years following the quarter of admission, as long as active enrollment status is maintained by completing one class every four quarters. Students are required to earn their Residency Teaching Certificate in order to be eligible to earn the Master in Teaching Math and Science degree.

## Second Master's Benefit

Students admitted to a graduate teacher education master's program (this does not include the ARC program) already holding a graduate degree may qualify for the master's benefit. This means that students may transfer in up to 12 quarter credits from their previous master's degree (assuming it meets eligibility requirements) to apply toward their master's degree at SPU. Students must submit a consent to transfer coursework form to the associate director of graduate programs to earn the benefit. These credits are included in the transfer policy. The combined total of master's benefit coursework and other approved transfer coursework may not exceed one third of the total number of required credits in your program.

**MTMS: Teaching Math and Science (MTMS)**

57 Credits Minimum

Code	Title	Credits
<b>Master's Degree Component</b>		
EDSP 6644	Educating Exceptional Students	3
EDU 6085	Moral and Theological Issues in Education	3
EDU 6120	American Education: Past and Present	3
Section Credits Required		9
<b>Summer I</b>		
EDRD 6530	Disciplinary Literacy and Language Learning	3
EDU 6100	Introduction to Equitable Teaching	3
EDU 6140	Classroom Management and The Psychology of Learners I	2
EDU 6170	Inquiry, Teaching, and Assessment Methods for Math and Science I	3
Section Credits Required		11
<b>Autumn I</b>		
EDU 6141	Classroom Management and The Psychology of Learners II	2
EDU 6171	Inquiry, Teaching and Assessment Methods for Math and Science II	3
EDU 6526	Survey of Instructional Strategies	3
Section Credits Required		8
<b>Winter I</b>		
EDU 6172	Inquiry, Teaching and Assessment Methods for Math and Science III	3
Section Credits Required		3
<b>Spring I</b>		
EDU 6133	Culturally Sustaining Teaching for Diverse Learners	3
EDU 6173	Inquiry, Teaching Assessment Methods for Math and Science IV	3
Section Credits Required		6
<b>Internship (taken over three quarters)</b>		
EDU 6945	Residency Student Teaching Internship	4
Section Credits Required		12
<b>Professional Learning Networks (taken over four quarters)</b>		
EDU 6944	Professional Learning Networks	1
Section Credits Required		4
<b>Capstone (taken over two quarters)</b>		
EDU 6139	Professional Issues Internship Seminar	2
Section Credits Required		4
<b>Total Credits</b>		<b>57</b>

## Additional Requirements and Information

- OSPI & PESB requirements. See SOE.
- Earn Washington State Residency Teacher Certification