

Pacific University MAT in STEM & English Language Learning

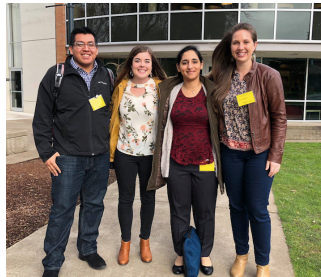


Pacific Is About STEM Teaching

The National Science Foundation recognizes the Pacific STEM/ESOL program as national leader in preparing STEM teachers, and has granted us over \$1.5M in support since 2010! You'll join a cohort of incredible people who are called to broaden success in STEM to include the full diversity of students. We *get* STEM!

Belong at Pacific

The MAT STEM/ESOL program features a small cohort of about 12 candidates. You will feel strong sense of community and belonging from the start.



Join a School Community

Pacific STEM/ESOL students develop deep connections with the teachers and administrators we partner with. Our mentor teachers have worked with us preparing STEM teachers for many years, understand the program, and even teach some of the courses.

Pacific University MAT STEM/ESOL	
Program length	12 months, 3 semesters (summer, fall, spring)
Credit hours	45 (includes science, math, and ESOL endorsements)
Cost per credit hour	\$709* (financial aid available)
Tuition cost for program	\$31,905
Accreditation	National Council for Accreditation of Teacher Education (NCATE)
Format	Small, in-person classes with expert, accessible faculty and advisors
Program Features	Extensive hands-on experiences in classrooms every semester, includes science, math, and ESOL endorsements
Location	Woodburn School District, other locations possible (contact Program Director for more information)
*All stated financial information is subject to change.	



Become an Ambitious STEM Teacher

In Pacific MAT STEM/ESOL classes, students learn by doing. Classes are connected and integrated with all classroom field experiences. Our classes transform students into teachers.

Build Deep Relationships

At Pacific, we believe that quality relationships are at the heart of all good learning. "One thing I really appreciate about Pacific is the faculty," a graduate says, "They really do care about you."

Honor the Languages of Our Community

At Pacific University, we care about our students' home languages and cultures, and our courses focus on teaching and learning with bilingual students. Unlike other MAT programs in Oregon, students do not need to take additional credits beyond the core program to earn their ESOL endorsement.

Be in Demand

Pacific University MAT STEM/ESOL candidates have a **100% hire rate** over the past 5 years and are teaching all over Oregon and beyond.

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Be Ready for Pacific's MAT STEM/ESOL Program

- Have a bachelor's degree, and the content knowledge to teach math and/or science in middle or high school.
- Have experience, background, interest, and passion for broadening participation and success in STEM to all students.
- Be prepared to challenge yourself to become an ambitious STEM teacher in culturally and linguistically diverse schools.

MAT STEM/ESOL Courses	Cr
ESTM 504 Nature & Role of Culture, Language & Self-Identity Focused specifically on the context of teaching English language learners, explores the personal, relational, and community aspects of communication, collaboration, congruency, cooperation, and competition. Includes learning communities, personal history and culture, language, communication skills, creativity, and classroom management.	2
ESTM 601: STEM/ESOL Teacher as Researcher I Introduces candidates to teacher action research. Candidates will develop the skills of accessing, organizing, and analyzing existing research, and collecting action research data as part of classroom assessment. Candidates will learn to use data and existing research to analyze educational practice at the community, school, and classroom levels, with an emphasis on teaching English language learners.	2
ESTM 570: School, Society, and Language Policy Focused specifically on the context of teaching English language learners, explores the relationship between schools, society, and language. Helps aspiring teachers develop an understanding of the philosophical, historical, socio-cultural, and legal foundations of education. Special emphasis on the history of ELL education.	2
ESTM 561 Advanced Human Development & Psychology Focused specifically on the context of teaching English language learners, explores developmental issues: behavioral, physical, personal, social, and cognitive, including the development of language. Relates psychology to teaching and learning, including the role of the teacher, learning theory, motivation and reinforcement, individual differences, classroom management, and evaluation.	4
ESOL 544 Educational Linguistics This course is designed to introduce candidates to linguistic aspects of teaching ESOL, and to build a solid foundation in theories of first and second language acquisition as relevant in teaching ESOL students.	3
ESTM 505 Diversity, Cultural Groups, Language and Identity Focused specifically on the context of teaching English language learners, explores personal, relational and community beliefs, values, and systems of –isms that permeate communities and influence English language learning. Includes community organization and civic engagement	2
ESTM 541 STEM Literacy and English Language Learners Introduces middle school and high school STEM educators to the application of reading and writing theories and to the development of STEM literacy. Develops and expands knowledge of the nature and scope of middle school and high school reading and writing, English language learning, and of the application of ESOL methods, materials, assessments, remedial strategies, and motivation for reading, writing, and study skills.	2
ESTM 526 Foundations of STEM-ESOL Teaching: Management, Methods, and Assessment Develops skills in designing and organizing lessons and units for middle school and high school that involve students in appropriate learning activities, require higher level thinking skills, and use a variety of assessment methods. Includes a variety of general and ESOL-specific instructional skills and strategies, assessment, current trends in education, and classroom management as well as adolescent characteristics and development.	4
ESTM 538 STEM Pedagogy and Curriculum Introduces aspiring STEM educators to the theories, strategies, resources, and technology applications appropriate to STEM curriculum and instruction at the middle and high school level. Emphasizes research-based teaching and evaluation methods, as well as an in-depth analysis of national and state science and mathematics standards. Includes applications of STEM project based learning in community and service-learning contexts, with an emphasis on teaching English language learners.	6
ESTM 537 Technology across the STEM Curriculum Introduces educators to some of the applications for technology in STEM education, and familiarizes them with issues associated with technology use. Develops and expands student's skills and knowledge of educational technology appropriate to enhance language and content area instruction for ESOL and bilingual students, through a series of readings, presentations, lab work, small group work, and exploration in clinical settings. Evaluates technology resources for quality, accuracy and effectiveness for use in diverse classrooms, including the use of assistive technology	2
ESTM 573 Supervised Practicum (Fall, M-F school days)	2
ESTM 602 STEM/ESOL Teacher as Researcher II Candidates will continue exploration of teacher action research through a) analyzing their own emerging teaching practice, b) developing an area of focus for further study, and c) designing a related project to be carried out in a practicum placement or other applicable site, with an emphasis on teaching English language learners.	2
ESTM 506 Creating Language Learning Communities Focused specifically on the context of teaching English language learners, explores the personal, relational, and community aspects of communication, collaboration, congruency, cooperation, and competition. Helps aspiring teachers develop a rich understanding of how to meet the needs of all students of all language backgrounds by participating in a democratic, inclusive, reflective learning community.	2
ESTM 575 Student Teaching and ESOL Practicum (Spring, M-F school days)	10
CREDITS	45

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