

## TLAC Graduate Electives

<https://catalog.tamu.edu/graduate/course-descriptions/edci/>  
<https://catalog.tamu.edu/graduate/course-descriptions/rdng/>  
 \*Some courses are not offered every semester/year\*

TEACHING & LEARNING	SOCIAL & CULTURAL PERSPECTIVES	WAYS OF KNOWING
<b>EDCI 603</b> <i>Professional Development: Strategies for Teachers</i> <u>Reserved in the fall for Ed.D. cohorts.</u>	<b>RDNG 613</b> <i>Multicultural Children's Literature and Literacy</i>	<b>EDCI 605</b> <i>Qualitative Research Methods in Curriculum and Instruction</i> <u>Reserved in the summer for Ed.D. cohorts.</u>
<b>EDCI 604</b> <i>E-Learning Classroom Management</i>	<b>EDCI 629</b> <i>Historical Analysis of Urban School Reform</i>	<b>EDCI 606</b> <i>Cognition, Culture and Literacies</i>
<b>EDCI 617</b> <i>Early Childhood Mathematics and Science</i>	<b>EDCI 637</b> <i>Urban Education: Policy and Analysis</i> <b>Prerequisites:</b> Doctoral classification; emphasis in urban education or approval of instructor; concurrent enrollment in EDCI 629.	<b>EDCI 628</b> <i>Analyzing and Reporting Field Based Research</i>
<b>EDCI 619</b> <i>Teaching and Learning Number and Quantity Concepts</i>	<b>EDCI 640</b> <i>Language/Literacy for Multicultural Young Learners</i>	<b>EDCI 630</b> <i>Urban Education</i> <b>Prerequisites:</b> Graduate classification; urban education emphasis; or approval of instructor.
<b>EDCI 620</b> <i>Science, Technology, Engineering and Mathematics (STEM)</i>	<b>EDCI 641</b> <i>The African American Learner in Urban Settings -</i>	<b>EDCI 631</b> <i>Mentoring the Novice Educator</i>
<b>EDCI 621</b> <i>Teaching and Learning Space, Dimension, and Measurement Concepts</i>	<b>EDCI 642</b> <i>Multicultural Education: Theory, Research and Practice</i>	<b>EDCI 633</b> <i>Educator as Learner</i> <b>Prerequisite:</b> EDCI 631.
<b>EDCI 622</b> <i>Theories of Learning and Teaching Mathematics</i>	<b>EDCI 643</b> <i>Teaching in Urban Environments</i>	<b>EDCI 639</b> <i>Grant Writing for Professional Development</i> <u>Reserved typically in the spring for Ed.D. cohorts.</u>
<b>EDCI 623</b> <i>Teaching and Learning Pattern and Change Concepts</i>	<b>EDCI 645</b> <i>Society and Education in World Perspective</i> <u>Reserved each summer for Ed.D. cohorts.</u>	<b>EDCI 656</b> <i>Learning Theories for Teachers of Young Children</i>
<b>EDCI 627</b> <i>Teaching and Learning Data Analysis and Uncertainty Concepts</i>	<b>EDCI 648</b> <i>Urban Schools and Communities</i> <u>Reserved in the summer for Ed.D. cohorts</u>	<b>EDCI 661</b> <i>Mixed Methods Research in Curriculum and Instruction</i> <u>Typically reserved in the fall for Ed.D. cohorts.</u>
<b>EDCI 652</b> <i>Parental Involvement in Early Childhood Education</i>	<b>EDCI 650</b> <i>The Multicultural Young Child in Family and Culture -</i>	<b>RDNG 603</b> <i>Using Advanced Literacy to Teach and Learn Across Disciplines</i>
<b>EDCI 663</b> <i>Advanced Pedagogy in Science Education</i>	<b>EDCI 653</b> <i>Education Policy for Language-Minority Children</i>	<b>RDNG 608</b> <i>Foundations of Reading Instruction</i>
<b>EDCI 665</b> <i>Science and Mathematics Curricula</i>	<b>EDCI 677</b> <i>Strategies for Teaching in a Culturally Pluralistic Society</i>	<b>RDNG 620</b> <i>Literacy and Language</i>
<b>EDCI 667</b> <i>Nature of Science and Science Education</i>	<b>BESL 623</b> <i>ESL for International and Intercultural Settings</i>	<b>RDNG 630</b> <i>Writing: Development, Assessment and Instruction</i>
<b>EDCI 668</b> <i>History and Foundations of Science Education</i>		
<b>EDCI 669</b> <i>Science Education in Sociological Context</i>		
<b>EDCI 670</b> <i>Social Studies in Elementary and Secondary Education</i>		
<b>EDCI 671</b> <i>How People Learn Science</i>		
<b>EDCI 676</b> <i>Evaluation and Implementation of Electronic Learning Materials</i>		
<b>EDCI 701</b> <i>Science Instructional Strategies and STEM Learning</i>		
<b>EDCI 720</b> <i>Engineering Design for School Teaching and Learning</i>		
<b>EDCI 721</b> <i>How People Learn STEM</i>		
<b>EDCI 722</b> <i>Microcontrollers for STEM Based Education</i>		
<b>EDCI 723</b> <i>Developing Students' Disciplinary Language and Reading in STEM Teaching and Learning</i>		
<b>EDCI 724</b> <i>Science and Mathematics in the Teaching of Engineering Content in K-12 Schools</i>		
<b>EDCI 726</b> <i>History and Trends in STEM Education</i>		
<b>RDNG 602</b> <i>Teaching Reading in the Elementary Grades</i>		
<b>RDNG 604</b> <i>Reading Diagnosis</i>		
<b>RDNG 605</b> <i>Practicum in Literacy Intervention</i> <b>Prerequisites:</b> RDNG 604		
<b>RDNG 612</b> <i>Children's Literature and Literacy</i>		