

# College of Innovation and Design

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Yvonne Villanueva-Russell (Dean)

Location: Waters Library 173 Suite

Assistant Dean: April Sanders

College of Innovation and Design Web Site (<https://www.tamuc.edu/college-of-innovation-and-design/>)

The College of Innovation and Design is a university-wide hub that works collaboratively with faculty, students, alumni and industry to assess and prepare students for the demands and opportunities of our ever-changing world and workplace. The college serves as an incubator for new initiatives, badges, certificates and degrees that transcend single disciplines or departments. Together, we ensure students are successful for their first year of college as well as for their first, second or third career later in life.

Our online degree options are perfect for working adults who are seeking to earn a degree or certificate. Whether you choose our self-paced, competency-based programs or our online programs that provide a more structured environment, you are sure to find learning opportunities that match your learning style. Our dedicated advisers, housed within the college, ensure your needs are met and provide one-on-one guidance, either virtually or face-to-face

The Office of Career Development is also part of the college, offering career guidance and assistance to students throughout their college experience.

## Mission

By combining unique programs, personalized advising and career planning, the College of Innovation and Design provides students with the knowledge, confidence and practical tools needed to become career-ready professionals, prepared to compete in the marketplace and add value to the global environment.

## Vision

Unlocking the future of learning by redesigning education for diverse learners.

## UX Design Graduate Certificate

This 18 semester hour multi-disciplinary certificate will provide students with the skills necessary to gather, interpret and visualize a range of data types in a variety of mediums. Merging insights from the disciplines of Art, Sociology, Marketing, and English, students will gain familiarity with key software used in this industry, comprise a portfolio of completed projects, and perform a final product pitch to an industry professional.

UX Design Graduate Certificate (<http://coursecatalog.tamuc.edu/grad/colleges-and-departments/college-of-innovation-design/ux-design-graduate-certificate/>)

Alternative Teacher Certification – Graduate Level, Competency Based Education (<http://coursecatalog.tamuc.edu/grad/colleges-and-departments/college-of-innovation-design/alternative-teacher-certification-graduate-level-competency-based-education/>)

### EDCB 514 - Management and Curriculum Development for Diverse Learners

Hours: 3

This course contains introductory content for the professional body of knowledge necessary for effective teaching in a K-12 classroom. Competency in instructional design as well as organizing and managing a classroom in diverse environments will be developed. The content of this course will include classroom procedures and management, knowledge of research-based teaching strategies, curriculum analysis/development and lesson design, teaching models, formative and summative assessment, and certification issues. Students will exhibit an understanding of the domains and competences Texas teachers are expected to demonstrate on the Pedagogy and Professional Development TExES certification examination.

### EDCB 515 - Evidence-Based Teaching for Diverse Populations

Hours: 3

This capstone course requires students to apply and expand their knowledge through a number of project-based and research initiatives. Students will synthesize or integrate the knowledge they have developed throughout the prerequisite courses in a clinical/internship experience. The course focuses on understanding diagnostic teaching practices and aligning the needs of a diverse population of students. Course requirements will include designing and implementing responsive instruction and assessment, creating a community of learners, and exhibiting an understanding of the legal and professional responsibilities outlined on the Pedagogy and Professional Responsibility TExES test. Enrollment is limited to teacher candidates fully admitted into the Alternative Certification Program & completing an internship or student teaching with Advisor approval. Prerequisites: EDCB 514 & EDCB 566.

**EDCB 517 - Reading and Learning in K-12 Content Areas**

Hours: 3

This course is designed for graduate students in the alternative certification program seeking initial teacher certification. The focus is on reading comprehension, conceptual development, and strategies for interacting with expository text and media. The role of the teacher, the structure of text, text analysis methods, and content area reading strategies are examined in relation to the student and the learning process. Research-based reading strategies are discussed as appropriate for all elementary and secondary grade levels.

**EDCB 519 - Response to Intervention**

Hours: 3

This course will build capacity among students to implement the Response to Intervention framework in local and state education agencies. Participants will examine the RTI components of screening of students, monitoring student progress, providing evidence-based interventions and identifying students with special learning needs.

**EDCB 566 - Learning Environments and Instructional Design for the K-12 Classroom**

Hours: 3

This course provides knowledge and practice in designing developmentally appropriate learning environments and instructional design with the use of technological and other tools/materials to advance learning in K-12 classrooms. Students will investigate the relationship between the classroom environment and instructional planning.

**RDCB 516 - Foundations of Reading**

Hours: 3

This course is designed for graduate students in the emergency permit or alternative certification program seeking initial teacher certification. The focus is on the reading process and the factors that condition its development. The importance of reading in school and in life serves as a background for critical evaluation of the methods and materials of reading instruction. Special consideration is given to the essential components of research-based programs and the features of classrooms that support effective beginning reading instruction.