INSTRUCTIONAL DES & EDUC TECN (IDET)

IDET 3100 Educational Technology for Preservice Teachers in Schools
1 Semester Credit Hour (1 Lecture Hour)
This field-based integrated course is designed to provide educators with an overview of basic resource tools and instructional methods to be considered when designing and developing educational technology integrated curriculum plans. This field-based infused seminar will look at basic integrated applications in creating electronic portfolios for all students. Aspects of online collaborative tools and their pedagogical implications in EC-12 environments will also be incorporated.

IDET 3310 Technology Applications for Teachers
3 Semester Credit Hours (3 Lecture Hours)
This course enables preservice and inservice teachers to effectively use computer-based technology for instructional and professional purposes, and provides participants with the skills and knowledge required for teacher certification in Texas.

IDET 4300 STEM Technology
3 Semester Credit Hours (3 Lecture Hours)
This course provides the conceptual framework for exploring EC-6 technology integrated with computational thinking skills and engineering for deeper understanding, connections, and communication. Technology integration concepts and skills will be developed through flipped instruction, face to face, and collaborative group instruction. Maker Spaces and collaborative technology tools will support the problem-based learning approach. The major goal of this course is to prepare teachers who can educate students to become technologically literate with basic understandings in applicable computational thinking and engineering concepts.