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.