**EDUC T-EDUCATION TECHNOLOGY (EDT)**

**EDT 210 Tech in Elementary Education** 3 Credit Hours
Introduces students to the application of technology in elementary education. Students experience and become familiar with advanced learning technology tools; learn to use telecommunication tools for emailing, participating in educational listserv and online discussion groups, and accessing electronic resources on the WWW; learn to use productivity tools for word processing, drawing, painting and digital editing, spreadsheet application, database management, and multimedia presentation; learn to use educational multimedia for visual thinking, creativity, and multimedia authoring, learning to practice ethical and legal use of technology resources, and explore the use of such technology tools in the elementary classroom.

**Restriction(s):**
- Can enroll if Class is Undergrad Certification only or Post-baccalaureate
- Can enroll if College is Education, Health, and Human Services

**EDT 211 Design Tech-Based Learn Solutn** 3 Credit Hours
EDT 211 provides students with the opportunity to design and develop technology-based learning solutions for real-world instructional problems. Students will identify an instructional problem, collect data to assess relevant needs of an authentic population of learners and work collaboratively to create learning solutions for face-to-face, blended and/or online environments. Students will also become proficient in the operation of various pieces of hardware and software and develop skills for evaluating and integrating technology into the different learning environments.

**EDT 401 Res, Trends,&Issues in Ed Tech** 3 Credit Hours
This course is designed to acquaint the students with research and issues facing education in the digital era. This course will look at the wide range of developments in technology and investigate the trends that are impacting the field of educational technology. Students explore and analyze key issues related to technology in the classroom of the twenty-first century. (YR)

**Restriction(s):**
- Can enroll if Class is Junior or Senior
- Can enroll if Level is Undergraduate
- Can enroll if College is Education, Health, and Human Services

**EDT 402 Survey of Educ Tech Tools** 3 Credit Hours
This course provides students with a general overview of relevant educational software and hardware technologies as well as web-based digital resources that can be used in instructional settings. The students will learn how to identify, select, and integrate a broad range of technologies into different learning environments. Students will also create several technology-based instructional products using various tools, applications, and authoring environments. (YR)

**Restriction(s):**
- Can enroll if Class is Professional Development or Junior or Senior
- Can enroll if College is Arts, Sciences, and Letters or Education, Health, and Human Services

**EDT 410 Teaching with Technology** 3 Credit Hours
Provides student teachers/interns with improved knowledge, skills, and confidence integrating advanced technology tools into the teaching and learning process in meaningful ways. Student teachers/interns design and teach multi-week units of instruction where student learning is enhanced with advanced technology tools. Student teachers/interns create electronic portfolios to present their achievement in teaching with technology demonstrating a superior level of achievement on the Proposed Standard with Related Indicators for the Achievement of Entry-Level Skills in Information Technology for all Michigan Teachers. (F,W,S).

**Prerequisite(s):**
- EDT 210 or EDT 211

**EDT 414 Application of Instrl Design** 3 Credit Hours
The course provides students with necessary skills to apply Technological Pedagogical Content Knowledge (TPCK) instructional design process in a specific subject area. (YR)

**Restriction(s):**
- Can enroll if Class is Junior or Senior
- Can enroll if College is Education, Health, and Human Services

**EDT 420 Intro Teaching Learning Online** 3 Credit Hours
This course will introduce students to best practices in the design, creation and implementation of instructional materials in an online environment. Students will create and implement several instructional activities and assessments in blended, hybrid and online environments. (YR)

**Restriction(s):**
- Can enroll if Class is Junior or Senior
- Can enroll if Level is Undergraduate
- Can enroll if College is Education, Health, and Human Services

**EDT 422 Educating the Digital Learner** 3 Credit Hours
Students are introduced to Universal Design for Learning (UDL) theory and how to apply it to learning activities in the blended, hybrid and online environment. Emphasis is placed on learning how to make accommodations for students in the online environment as well. Students will also learn to critically assess different approaches to online instruction. (YR)

**Restriction(s):**
- Can enroll if Class is Junior or Senior
- Can enroll if Level is Undergraduate
- Can enroll if College is Education, Health, and Human Services

**EDT 430 Assistive Technology** 3 Credit Hours
This course is designed as an introductory course in assistive technology (AT) including the history, relevant legislation and development of assistive technology. Students will be introduced to key AT categories by function including high tech and low tech assistive hardware, software and mobile devices to increase learning opportunities for individuals with disabilities. (YR)

**Restriction(s):**
- Can enroll if Class is Junior or Senior
- Can enroll if Level is Undergraduate

* An asterisk denotes that a course may be taken concurrently.

**Frequency of Offering**

The following abbreviations are used to denote the frequency of offering:
- (F) fall term; (W) winter term; (S) summer term; (F, W) fall and winter terms; (YR) once a year; (AY) alternating years; (OC) offered occasionally