

**ENGINEERING TECHNOLOGY
TEACHER EDUCATION**

TRANSITION TO TEACHING PROGRAM

**Grade Levels 5-12
REPA 3**

NOT VALID WITHOUT OFFICIAL TRANSCRIPT EVALUATION

PROGRAM ELIGIBILITY

In order to be eligible one (1) of the following entrance qualifications must be met in order to apply to the program:

1. A graduate degree in the subject area you wish to teach.
2. A bachelor's degree with a GPA of at least 3.00/4.00 in the subject area you wish to teach.
3. A bachelor's degree with a GPA of 2.50/4.00 and 5 years of professional work experience in the subject area you wish to teach.
4. A bachelor's degree and a passing score on the Pearson content test(s) in the subject area you wish to teach.

Compatible Areas/Acceptable Undergraduate Majors

Various Engineering/Technology-related fields of study such as Aeronautical Technology, Architecture, Computer Graphics Technology, Computer Integrated Manufacturing Technology, Construction Technology, Electrical Engineering Technology, Engineering, Engineering Technology, Industrial Design, Industrial Technology, Manufacturing Technology, Mechanical Engineering Technology, and Technical Graphics.

Content Knowledge Assessed/Transcript Evaluation

Engineering/Technology Teacher Education TTT applicants will be required to demonstrate knowledge and application of the following Technology content areas:

- *Communication Technology* (Communication System, Sketching, Computer-Aided Drafting, Application of Communication Processes, Electronic Media)
- *Construction Technology* (Architecture, Construction Systems and Resources, Application of Construction Processes, Statics and Strength of Materials)
- *Design Technology* (Engineering Design Process, Parametric Modeling)
- *Manufacturing Technology* (Manufacturing Systems and Resources, Application of Manufacturing Processes)
- *Power and Energy* (Energy Systems, Control Systems, Mechanisms, Basic Electricity, Basic Electronics, Digital Electronics)
- *Transportation Technology* (Transportation Systems)

PROFESSIONAL EDUCATION

			<u>Semester Hours</u>
EDCI	59300	Introductory Secondary Transition to Teaching Seminar	1
EDCI	58500	Multicultural Education	3
EDCI	59300	Introductory Secondary Transition to Teaching Seminar	1
EDPS	53000	Advanced Educational Psychology	3
TLI	46100	Engineering/Technology Teacher Lab Planning ¹	3
TLI	46200	Methods of Teaching Engineering/Technology Education ¹	3
EDCI	69500	Internship in Education ²	3
EDCI	59400	Concluding Secondary Transition to Teaching Seminar	2

¹TLI 46100 and TLI 46200 may be used on the student's graduate plan of study if they are followed by an appropriate 60000-level course, EDCI 69500 – Internship in Education.

²The EDCI 69500 Internship in Education spans 16 weeks.

Total 18