ENGINEERING TECHNOLOGY EDUCATION

Grade Levels 5-12
REPA 3

Semester Hours

CONTENT

CGT	11000	Technical Graphics Communications	3
ECET	22400	Electronic Systems	3
TLI	16100	Prototyping in Engineering/Technology Education	3
TECH	12000	Design Thinking in Technology	3

Technical Electives — 12

Technical electives may include any Polytechnic Institute course, except for Organization Leadership (OLS) classes. Engineering, Forestry, and Agricultural Systems may also be used. The elective courses may all be in one area or they can come from a variety of areas.

Total 24

Twenty-one (21) hours of Methods courses are also counted toward Content GPA (marked with[1])

PROFESSIONAL EDUCATION

Foundational Courses

EDCI	20500	Exploring Teaching as a Career	3
EDCI	27000	Introduction to Education Technology and Computing	3
EDCI	28500	Multiculturalism and Education	3
EDPS	23500	Learning and Motivation	3
EDPS	26500	The Inclusive Classroom	3
EDST	20010	Educational Policies and Laws	1
EDPS	32700	Classroom Assessment	1
EDPS	43010	Secondary Creating and Managing Learning Environments	1

Methods Courses

EDCI	30900	Reading in Middle and Secondary Schools: Methods and Problems	3
TLI	26200	Foundations of Integrated STEM Education[1]	3
TLI	26500	Teaching the TE of STEM[1]	3
TLI	36100	Engineering and Technology Education Instructional Planning and Evaluation[1]	3
TLI	36700	Teaching Design and Innovation I[1]	3
TLI	46000	Teaching Design and Innovation II[1]	3
TLI	46100	Engineering/Technology Teacher Lab Planning[1]	3
TLI	46200	Methods of Teaching Engineering/Technology Education[1,2]	3
EDCI	49800	Supervised Teaching (16 weeks)	16

Total 58

[1]Courses also counted toward Content GPA.

[2]EDCI 55800 may substitute for TLI 46200 if TLI 46200 is not available to the student. If TLI 46200 is offered, EDCI 55800 may be substituted at the ETTE Program Chair's discretion. When the Chair's discretion is used, written permission from the program chair will be required prior to enrollment in the course.