ENGINEERING TECHNOLOGY EDUCATION

Grade Levels 5-12
REPA 3

Purdue University Course Catalog 2021-2022

CONTENT				CREDIT HOURS

Major Required Courses

CGT	10301	Geometric Modeling Applications	3
ECET	22400	Electronic Systems	3
TECH	12000	Design Thinking in Technology	3
TLI	16100	Prototyping in Engineering/Technology Education	3
TLI	26200	Foundations of Integrated STEM Education	3
TLI	26500	Teaching the TE of STEM	3
TLI	36100	Engineering and Technology Education Instructional Planning and Evaluation	3
TLI	36700	Teaching Design and Innovation I	3
TLI	46000	Teaching Design and Innovation II	3
TLI	46100	Engineering/Technology Teacher Lab Planning	3
TLI	46200	Methods of Teaching Engineering/Technology Education	3

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.

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 Content 45

PROFESSIONAL EDUCATION

Foundational Courses

EDCI	20500	Exploring Teaching as a Career ***required for TEP admission**	2
EDCI	27000	Introduction to Education Technology and Computing	1
EDCI	28500	Multiculturalism and Education ***required for TEP admission**	2
EDCI	35000	Community Issues and Applications for Educators	1
EDCI	37001	Teaching and Learning English as a New Language	2
EDPS	23500	Learning and Motivation	2
EDPS	24000	Children with Gifts, Creativity, and Talents	1
EDPS	24800	Differentiating Curriculum and Instruction	1
EDPS	26501	The Inclusive Classroom	2
EDPS	32700	Classroom Assessment	1
EDPS	36201	Positive Behavioral Supports	2
EDPS	43010	Secondary Creating and Managing Learning Environments	1
EDST	20010	Educational Policies and Laws ***required for TEP admission**	1
EDCI/ EDPS	20001	Special Pop Sem: Focus on Students With Disabilities and Differentiation (1), OR Special Pop Sem: Focus on Students With Disabilities and Differentiation (1)	1

| EDCI/ | 20002 | Special Pop Sem: English Lang Learners and Students with Gifts (1), OR Special Pop Sem: English Lang Learners and Students with Gifts (1) | 1 |
| EDPS | | | |

Methods Course

| EDCI | 30900 | Reading in Middle and Secondary Schools: Methods and Problems | 1 |

Capstone

| EDCI | 49800 | Supervised Teaching (16 weeks) | 12 |

Learner Pathway Selective   3
Pick **ONE** course from the selective below in a pathway of your choice (required). ABA courses are included if allowed by the plan of study. Students can take two additional courses in the same pathway to complete requirements for an add-on teaching license in ELL or HA or take one additional course in the SPED pathway for a certificate in SPED.

English Language Learners Licensure Pathway
| EDCI | 51900 | Teaching English Language Learners (3) |
| EDCI | 52600 | Language Study for Educators (3) |

High Ability Licensure Pathway
| EDPS | 54200 | Curriculum and Program Development in Gifted Ed (3) |
| EDPS | 54500 | Social and Affective Development of Gifted Students (3) |

Special Education Non-Licensure Pathway
| EDPS | 21100 | Special Education Law, Policy and Ethical Guidelines (3) |

Applied Behavior Analysis Non-Licensure Pathway
EDPS	34100	Introduction to Philosophical Underpinnings and Concepts of Applied Behavior Analysis (3)
EDPS	34200	Applied Behavior Analysis – Assessment and Intervention (3)
EDPS	44100	Introduction to Ethics and Practice of Applied Behavior Analysis (3)
EDPS	44200	Advanced Intervention in Applied Behavior Analysis (3)

Total Professional Education 37

Licensure Information

All Purdue University Program and Indiana Department of Education requirements must be met for recommendation for Indiana licensure.

After all requirements are met, Purdue graduates will be considered eligible to apply to the Indiana Department of Education for licensure under REPA 3 in:

Technology Education (5-12)
Addition in Blended and Online Teaching (5-12)

Optional: Addition in High Ability (P-12) or ELL (P-12) if chosen pathway requirements are completed

Visit the Indiana Department of Education website for more information about what courses can be taught once licensed in this area.

Please reference the 2021-2022 Technology Education Guidelines and Requirements and the 2021-2022 Technology Education Checklist for more information.