

## Engineering Technology Education (TCED)

Purdue Polytechnic Institute

Department of Technology, Leadership, and Innovation

### Advising Worksheet

**Disclaimer:** The Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the corresponding Fall, Spring, and Summer semesters. The Advising Worksheet assists students in the development of an individualized 8-semester plan. Students are encouraged to use this worksheet and MyPurduePlan\* (the online degree auditing tool) as they work with their academic advisor toward the completion of all their degree requirements.

**Notification:** Each student is ultimately responsible for knowing, monitoring, and completing all degree requirements.

An undergraduate degree in the Purdue Polytechnic Institute requires completion of the following degree requirements.

University Degree Requirements		
Minimum 2.0 Cumulative GPA	Minimum 120 Credits that fulfill degree requirements	32 Residency Credits (30000-level and above) at a Purdue University Campus
University Core Curriculum **		
<a href="https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html">https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html</a>		
<ul style="list-style-type: none"> <li>Human Cultures: Behavioral/Social Science</li> <li>Human Cultures: Humanities</li> <li>Information Literacy</li> <li>Oral Communication</li> </ul>	<ul style="list-style-type: none"> <li>Quantitative Reasoning</li> <li>Science</li> <li>Science, Technology &amp; Society Selective</li> <li>Written Communication</li> </ul>	
Civics Literacy Proficiency		
<a href="https://www.purdue.edu/provost/about/provostInitiatives/civics/">https://www.purdue.edu/provost/about/provostInitiatives/civics/</a>		
Required Major Program Courses (see following pages)		
Departmental specific requirement <ul style="list-style-type: none"> <li>3.0 ETTE Content GPA required for all courses in the Major Required Courses area.</li> <li>2.5 Graduation GPA required for Bachelor of Science degree.</li> <li>2.5 Overall GPA is required for the Teacher Education Program and Indiana Licensure.</li> </ul>		
Teacher Licensure Information		
<ul style="list-style-type: none"> <li>Successful completion of the Purdue University Engineering Technology Education Program, Engineering Technology Education, BS, and the State of Indiana licensure requirements results in an Indiana initial instructional License in Technology Education (5-12), and Blended and Online Teaching (5-12). Contact the Office of Teacher Education and Licensure for additional information regarding Teacher Education and licensure requirements.</li> <li>Office of Teacher Education and Licensure - Purdue University College of Education</li> <li>Teacher Education Program (TEP) Requirements and Milestones</li> <li></li> <li>2.5 Overall GPA is required for the Teacher Education Program.</li> <li>Students must successfully progress through Milestone A to enroll in any Professional Education **Restricted Methods course.</li> <li>Successful completion of all Major, Professional Education (including all Foundations Courses with linked Foundations Portfolio Common Assessments and **Restricted Methods Courses), Learner Specialty Concentration/Pathway, and degree courses are required prior to Milestone C. Program limitations restrict additional courses to be taken simultaneously with or following student teaching without advance authorization.</li> </ul>		

- Successful completion of all Foundations Portfolio Common Assessments are required prior to Milestone D.
- Blended and online Teaching licensure requirements are embedded into coursework for all Undergraduate Licensure Programs.
- Beginning July 1, 2025 - According to the Indiana State Board of Education, students seeking an Initial Indiana License in a content area involving literacy instruction, including special education, must obtain an early literacy endorsement, Science of Reading (P-5), as required under IC 20-28-5-19.7.

**Pass/No Pass option**

- ETTE does not allow Pass/No Pass grading for any classes that are required to meet degree requirements. Pass/No Pass grading is allowed for Free Electives only.

**Non-course/Non-credit Requirements**

- Complete a Professional Requirement.      \* Complete a Globalization Requirement.

\* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

\*\* University Core Curriculum Outcomes may be met through completions of the Purdue Polytechnic Institute curriculum. Students should Consult with their academic advisors and MyPurdue Plan for course selections.

**Purdue Polytechnic Institute (PWL)**  
**Technology Leadership & Innovation (TLI) - Engineering/Technology Teacher Education (TCED)**  
**Fall 2024 Catalog Term**

<b>Name:</b>	
<b>PUID:</b>	
<b>Student Email:</b>	
<b>Academic Advisor:</b>	Not yet assigned

<b>Minors/Certificates:</b>

<b>Updated:</b>
<b>Expected Graduation:</b>

**Suggested Arrangement of Courses**

Fall 1 <sup>st</sup> Year	CR	Prerequisite	Grade	Fulfilled by	Spring 1 <sup>st</sup> Year	CR	Prerequisite	Grade	Fulfilled by
EDCI 20500 Exploring Teaching As A Career – required for TEP admission	2		*		EDCI 35000 Community Issues & Applications for Educators	1		*	
EDST 20010 Educational Policies and Laws – required for TEP admission	1		*		EDCI 28500 Multiculturalism and Education – required for TEP admission	2		*	
TLI 26200 Foundations of Integrated STEM Education	3			Fall 2024	TLI 16100 Prototyping in Engineering/Technology Education	3			Spring 2025
MA 15300 College Algebra	3	ALEKS 45 or SATR Math 530 or ACT Math 21			MA 15800 Precalculus - Functions & Trig	3	ALEKS 60 or SATR Math 570 or ACT Math 24 or MA 15300 min "C."		
TECH 12000 Design Thinking in Tech.*	3				COM 11400 Fundamentals of Speech Communication	3			
Humanities Selective	3				Free Elective	3			
<b>Total Credit Hours</b>	<b>15</b>				<b>Total Credit Hours</b>	<b>15</b>			

Fall 2 <sup>nd</sup> Year	CR	Prerequisite	Grade	Fulfilled by	Spring 2 <sup>nd</sup> Year	CR	Prerequisite	Grade	Fulfilled by
EDCI 37001 Teaching and Learning Engl. as a New Language	2	EDCI 20500 and 28500 "C-" or better; must be taken with EDPS 24000 and EDCI/EDPS 20002	*		EDPS 26501 The Inclusive Classroom	2	must be taken with EDPS 24800 and EDCI/EDPS 20001	*	
EDPS 24000 Children with Gifts, Creativity, and Talents	1	must be taken with EDCI 37001 and EDCI/EDPS 20002	*		EDPS 24800 Differentiating Curriculum and Instruction	1	must be taken with EDPS 26501 and EDCI/EDPS 20001	*	
EDCI 20002 or EDPS 20002 Special Pop Seminar	1	must be taken with EDCI 37001 and EDCI 37001	*		EDCI 20001 or EDPS 20001 Special Pop Seminar	1	must be taken with EDPS 26501 and EDPS 24800	*	
EDPS 36201 Positive Behavioral Supports	3	EDPS 26500 "D-" or better	*		EDPS 23500 Learning and Motivation	2		*	
MFET 10301 Geometric Modeling Applications or ENGT 10500 (PLTW)	3				TLI 26500 Teaching the TE of STEM	3			Fall 2025
Technical Elective	3				ECET 22400 Electronic Systems	3	ALEKS 60 or SATR Math 570 or ACT Math 24 or MA 15300 "D-" or better		
Free Elective	3				PHYS 22000 General Physics	4			
					Gate A Application/Admission		<a href="https://www.education.purdue.edu/licensure/undergraduate/programs/">https://www.education.purdue.edu/licensure/undergraduate/programs/</a>		
<b>Total Credit Hours</b>	<b>15</b>				<b>Total Credit Hours</b>	<b>16</b>			

Fall 3 <sup>rd</sup> Year	CR	Prerequisite	Grade	Fulfilled by	Spring 3 <sup>rd</sup> Year	CR	Prerequisite	Grade	Fulfilled by
EDCI 30900 Reading in Middle and Sec. Schools: Methods and Problems	1	EDCI/EDPS 20001 and EDCI/EDPS 20002 "D-" or better in both	*		TLI 36100 Engineering and Tech Education Instructional Planning and Eval	3			Spring 2026
EDCI 27000 Intro to Educational Technology and Computing	1		*		TLI 46000 Teaching Design and Innovation II	3	TLI 36700 "D-" or better		
TLI 36700 Teaching Design and Innov. I	3				Advanced Communication Selective	3			
Learner Pathway Selective	3				Technical Elective	3			
Technical Elective	3				Free Elective	3			
Lab Science Foundation Selective	3								
Free Elective	3								
<b>Total Credit Hours</b>	<b>17</b>				<b>Total Credit Hours</b>	<b>15</b>			

Fall 4 <sup>th</sup> Year	CR	Prerequisite	Grade	Fulfilled by	Spring 4 <sup>th</sup> Year	CR	Prerequisite	Grade	Fulfilled by
EDPS 32700 Classroom Assessment	1	EDPS 23500 "D-" or better							
EDPS 43010 Secondary Creating and Managing Learning Environments	2	Classification 04 or higher							
TLI 46100 Engineering/Technology Teacher Lab Planning	3			Fall 2026					
TLI 46200 Methods of Teaching Engineering/Technology Education (TLI 36100 and TLI 46100 <sup>(1)</sup> or EDCI 55800 if TLI 46200 is not offered)	3	TLI 36100 AND TLI 46100 "D-" or better <b>Gate A admission required prior to request/registration.</b>		Fall only and req. before Student Teaching	EDCI 49800 Supervised Teaching	12	EDCI 20500, 28500 & EDPS 23500 and 26500 "C-" or better <b>No other courses can be taken concurrently.</b>	*	
Advanced Communication Selective	3								
Technical Elective	3								
<b>Total Credit Hours</b>	<b>15</b>				<b>Total Credit Hours</b>	<b>12</b>			

- 120 semester credits and a 2.5 Graduation GPA are required for the Bachelor of Science degree.
- 3.0 Professional Education GPA required for Bachelor of Science degree with at least a C or higher in each course (marked with a \*).
- 3.0 Content GPA required for Bachelor of Science degree.
- TCED does not allow Pass/No Pass grading for any classes that are required to meet degree requirements. Pass/No Pass grading is allowed for Free EI
- Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
- 32 credit hours of 300-level or higher courses must be completed at Purdue University.
- Globalization Requirement. 

	EDPS 23500
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7b. Civics Literacy Requirement.

8. Students must fulfill all Teacher Education Requirements (see below).

1.  **Gate A:** Admission to Teacher Education Program (TEP): EDCI 20500, EDCI 28500, EDST 20010A

2.  [Engineering and Technology Education Content Tests](#)

3.  **Gate B:** TLI 46100, TLI 46200/EDCI 55800

4.  Technology Integration and Online Teaching (TI-BOT) Teaching License (see Brightspace)

5.  [Criminal History Background Check: A valid Criminal Background Check must be on file in the Office of Clinical Practice \(OCP\).](#)

6.  **Student Self-Disclosure Statement:** The Student Self-Disclosure Statement is submitted to OCP at the start of a Foundational course in which you comp

Refer to Brightspace Course "Purdue Teacher Education Program Resources" for all relevant information about above requirements.

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**The student is ultimately responsible for knowing and completing all degree requirements.**  
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Revised 05/13/2024 (effective Fall 2024)

2024-2025 TCED SUPPLEMENTAL INFORMATION

All prerequisites must be met.

**Humanities Selective (3 credits)**

<http://www.purdue.edu/provost/initiatives/curriculum/course.html>

**Science Foundation Selective (3 credits)**

Must be a lab from the approved UCC Science list:

<http://www.purdue.edu/provost/initiatives/curriculum/course.html>

**Technical Electives (12 credits)**

Any Polytechnic Institute, Forestry & Natural Resources (FNR) or Engineering (ENGR or EPCS) course not already required on the plan of study

**Free Electives (12 credits)**

Any non-remedial course offered for credit at the University not already required/being used on the plan of study

**Advanced Communication Selective (6 credits)**

COM 31400 Advanced Presentational Speaking  
COM 31500 Speech Communication of Technical Information  
COM 31800 Principles of Persuasion  
COM 32000 Small Group Communication  
COM 32400 Intro to Organizational Communication  
COM 32500 Interviewing Principles and Practice  
COM 41500 Discussion of Technical Problems  
ENGL 30400 Advanced Composition  
ENGL 30600 Intro Professional Writing  
ENGL 42000 Business Writing  
ENGL 42100 Technical Writing

## Intercultural Requirement

All students must complete the Polytechnic Growth Plan for Global Awareness and Intercultural Competency at the Developmental Level (see below). Students who are interested in further developing their Global Awareness and Intercultural Competency are encouraged to complete the requirement at the Emerging Level or the Proficient Level (see advisor for more information).

**NOTE FOR TRANSFER/CODO STUDENTS: Transfer and CODO students with less than 75 credit hours remaining to complete their Polytechnic Plan of Study are exempt from Step 1 (taking the IDI Pretest).**

Step 1:		<b>Complete the Pre-test Intercultural Development Inventory Assessments (1st year)</b>	
Step 2:		<p><b>Complete one (1) of the following global experiences: *</b></p> <p>*Global experiences must take place during the time of enrollment in Polytechnic to complete Step 2. Experiences taken place prior to a student's initial enrollment will not serve to complete Step 2. Intercultural competencies gained on experiences prior to Polytechnic enrollment will be captured as baseline data on a student's IDI.</p> <ul style="list-style-type: none"> <li>- Participate in A Purdue University international capstone, collaborative project</li> <li>- Participate in an international internship (international location)</li> <li>- Participate in a full semester abroad program</li> <li>- Complete 3 credit hours from the Polytechnic list of recommended Global/Cultural courses</li> </ul>	
Step 3:		<b>Complete the Post-test Intercultural Development Inventory Assessments (4th year)</b>	

Common ways that Engineering/Technology Teacher Education students fulfill Step 2 of the requirement.

Approved list of courses

AAS 27100 Introduction To African American Studies  
 AAS 35900 Black Women Writers  
 AAS 37100 The African American Experience  
 AAS 37300 Issues In African American Studies  
 AAS 37500 The Black Family  
 AAS 47300 Blacks In Hollywood Film  
 AGECE 53200 World Food Problems  
 AGR 20100 Communicating Across Culture  
 AMST 10100 America And The World  
 ANTH 20300 Biological Bases Of Human Social Behavior  
 ANTH 20500 Human Cultural Diversity  
 ANTH 21000 Technology And Culture  
 ANTH 21200 Culture, Food And Health  
 ANTH 23000 Gender Across Cultures  
 ANTH 28200 Introduction To LGBTQ Studies  
 ANTH 32700 Environment And Culture  
 ANTH 34000 Global Perspectives On Health  
 ANTH 34100 Culture And Personality  
 ANTH 35800 African Cultures  
 ANTH 36800 Sociolinguistic Study Of African American English  
 ANTH 37000 Ethnicity And Culture  
 ANTH 37300 Anthropology Of Religion  
 ANTH 37800 Archaeology And Cultural Anthropology Of Mesoamerica (Mexico, Belize And Guatemala)  
 ANTH 37900 Native American Cultures  
 ANTH 40400 Comparative Social Organization  
 ARAB 23900 Arab Women Writers  
 ARAB 28000 Arabic Culture  
 ARAB 28100 Introduction To Islamic Civilization And Culture  
 ARAB 33400 North African Literature And Culture  
 ASAM 24000 Introduction To Asian American Studies

ASAM 34000 Contemporary Issues In Asian American Studies  
ASL 28000 American Deaf Community: Language, Culture, And Society  
AT 23300 Ethics And Aviation  
CDIS 23900 Introduction To Disability Studies  
CGT 28500 Cross Cultural Game Development  
CHNS 28000 Topics in Chinese Civilization and Culture  
CHNS 28100 Introduction To Chinese Food Culture  
CHNS 33000 Introduction To Chinese Cinema  
CM 33200 Architectural Design, Construction Techniques And Society  
CMPL 23700 Our Common Bond: Languages And Cultures In A Global Context  
CNIT 32000 Policy, Regulation, And Globalization In Information Technology  
COM 22400 Communicating In The Global Workplace  
COM 30300 Intercultural Communication  
COM 32000 Small Group Communication  
COM 32800 Diversity At Work: A Rhetorical Approach  
COM 37200 Communication In Relationships  
COM 37600 Communication And Gender  
COM 38100 Gender And Feminist Studies In Communication  
COM 41200 Theories Of Human Interaction  
COM 41600 United States Politics And The Media  
COM 42300 Leadership, Communication And Organizations  
COM 46400 American Political Communication  
COM 52700 Introduction To Cultural Studies In Communication  
COM 57400 Organizational Communication  
CSR 34400 Fundamentals Of Negotiations  
CSR 52400 International Health  
ECET 38001 Global Professional Issues In Engineering Technology  
EDPS 21200 Collaboration And Family Engagement To Support Students With Disabilities  
EDPS 23500 Learning And Motivation  
EDPS 26500 The Inclusive Classroom  
EDPS 31500 Collaborative Leadership: Interpersonal Skills  
EDPS 31600 Collaborative Leadership: Cross-Cultural Settings  
EDST 51200 Foundations Of Educational Policy  
ENGL 21800 Figures Of Myth And Legends II: Heroes And Villains  
ENGL 22500 Literature, Inequality, And Injustice  
ENGL 22800 Language And Social Identity  
ENGL 22900 Creole Languages And Cultures  
ENGL 25700 Literature Of Black America  
ENGL 28000 Games, Narrative, Culture  
ENGL 33000 Games And Diversity  
ENGL 35200 Native American Literature  
ENGL 35400 Asian American Literature  
ENGL 35800 Black Drama  
ENGL 35900 Black Women Writers  
ENGL 36000 Gender And Literature  
ENGL 36600 Postcolonial Literatures  
ENGL 43900 Topics In Disability Studies  
ENGL 46600 Cultural Encounters  
ENGR 31000 Engineering In Global Context  
ENTR 47000 Women And Leadership  
FNR 48800 Global Environmental Issues  
GSLA 10100 Global Awareness  
GSLA 30100 Theories Of Global Studies  
HDFS 20100 Introduction To Family Processes  
HDFS 22500 Human Development Across Cultures

HDFS 28000 Diversity In Individual And Family Life  
 HEBR 38000 Israel And The Modern World: Cinema, Literature, History And Politics  
 HEBR 38500 The Holocaust In Modern Hebrew Literature  
 HIST 10500 Survey Of Global History  
 HIST 19500 The Historian's Craft: Historical Research And Film  
 HIST 21000 The Making Of Modern Africa  
 HIST 21100 The Global Field: World Soccer And Global History  
 HIST 30000 Eve Of Destruction: Global Crises And World Organization In The 20th Century  
 HIST 31205 The Arab-Israeli Conflict  
 HIST 31405 Science, Technology, Engineering And Mathematics (STEM) And Gender  
 HIST 31505 American Beauty  
 HIST 31905 Christianity In The Global Age  
 HIST 32900 History Of Women In Modern Europe  
 HIST 33400 Science And Society In Western Civilization II  
 HIST 33805 History Of Human Rights  
 HIST 34505 Arabs In American Eyes  
 HIST 35000 Science And Society In The Twentieth Century World  
 HIST 35700 History Of Southern Africa Since 1400  
 HIST 35900 Gender In East Asian History  
 HIST 36000 Gender In Middle East History  
 HIST 36600 Hispanic Heritage Of The United States  
 HIST 37100 Society, Culture, And Rock And Roll  
 HIST 37700 History And Culture Of Native America  
 HIST 38105 American Indians And Film  
 HIST 38605 Land Of The Indians: Native Americans In Indiana  
 HIST 38700 History Of The Space Age  
 HIST 39800 The Afro-American Since 1865  
 HIST 46900 Black Civil Rights Movement  
 HIST 47005 Women And Health In America  
 HIST 47700 Native American Women's History  
 HIST 48800 History Of Sexual Regulation In The United States  
 HIST 49400 Science And Society In American Civilization  
 HK 57600 Diversity And Health  
 ITAL 28000 Italian Culture And Civilization  
 ITAL 28100 The Italian Renaissance And Its Scientific And Cultural Impact On Western Civilization  
 JPNS 28000 Introduction To Modern Japanese Civilization  
 LALS 25000 Introduction To Latin American And Latino Studies  
 LALS 26000 U S Latino Culture  
 LC 23300 Love, Sex, And Gender In Western European Literature  
 LC 23700 Our Common Bond: Languages And Cultures In A Global Context  
 LC 36800 Sociolinguistic Study Of African American English  
 LING 36800 Sociolinguistic Study Of African American English  
 LING 57600 Latin American Indigenous Languages And Cultures  
 MET 52700 Technology From A Global Perspective  
 MGMT 33100 Development And Impact Of Equal Employment Law  
 MUS 37600 World Music  
 NUTR 53200 World Food Problems  
 OBHR 54100 Leading Management Of Diversity And Inclusion In Organizations  
 PHIL 11400 Global Moral Issues  
 PHIL 20700 Ethics For Technology, Engineering, And Design  
 PHIL 22500 Philosophy And Gender  
 PHIL 23000 Religions Of The East  
 PHIL 23100 Religions Of The West  
 PHIL 24000 Social And Political Philosophy  
 PHIL 24200 Philosophy, Culture, And The African American Experience



POL 13000 Introduction To International Relations  
POL 14100 Governments Of The World  
POL 22200 Women, Politics, And Public Policy  
POL 23100 Introduction To United States Foreign Policy  
POL 23500 International Relations Among Rich And Poor Nations  
POL 32600 Black Political Participation In America  
POL 32700 Global Green Politics  
POL 33500 China And The Challenges Of Globalization  
POL 36000 Women And The Law  
POL 41300 The Human Basis Of Politics  
POL 42300 International Environmental Policy  
POL 43300 International Organization  
POL 43801 International Human Rights  
PSY 23900 The Psychology Of Women  
PSY 24400 Introduction To Human Sexuality  
PSY 33700 Social Cognition  
PTGS 33000 Brazilian, Portuguese, And African Cinema  
PUBH 22500 Contemporary Women's Health  
PUBH 51100 International Health  
REL 23000 Religions Of The East  
REL 23100 Religions Of The West  
RUSS 33000 Russian And East European Cinema  
RUSS 38000 Russian Culture And Civilization I  
RUSS 38100 Russian Culture And Civilization II  
SOC 10000 Introductory Sociology  
SOC 22000 Social Problems  
SOC 26700 Religion In The Modern World  
SOC 31000 Race And Ethnicity  
SOC 33800 Global Social Movements  
SOC 33900 Introduction To The Sociology Of Developing Nations  
SOC 35200 Drugs, Culture, And Society  
SOC 35600 Hate And Violence  
SOC 36700 Religion In America  
SOC 36900 Religion And Chinese Society  
SOC 41100 Social Inequality  
SOC 42900 Sociology Of Protest  
SOC 51400 Racial And Cultural Minorities  
SYS 30000 It's A Complex World - Addressing Global Challenges  
TECH 33000 Technology And The Global Society  
TLI 11200 Foundations Of Organizational Leadership  
TLI 35600 Global Technology Leadership  
WGSS 28000 Women's, Gender, And Sexuality Studies: An Introduction  
WGSS 28200 Introduction To LGBT Studies  
WGSS 38000 Gender And Multiculturalism  
WGSS 38100 Women Of Color In The United States  
WGSS 38300 Women And Work

Any foreign language 20000 or higher (20100, 20200, 30100, 30200, 40100, 40200)

Any Purdue approved Study Abroad with a minimum of 3 credit hours that includes reflective learning assignments.