

ACADEMIC ROADMAP

Technology Education (TED)

Fall 2026

Freshman Year (30 credits)

FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Foundations of Career and Technical Education	CTE301	HY; ONLINE ACTIVITY MIXED WITH CLASSROOM MEETINGS, REPLACING AT LEAST 20 PERCENT, BUT NOT ALL, REQUIRED ON-SITE MEETINGS.
College Writing I	CWP101	
General Education	GE23	
General Education	GE23	
General Education	GE23 (MAT 114 if/as needed)	

SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Writing II	CWP102	
Functions & Modeling II	MAT124	PRE-REQUISITE: MAT 114 WITH A MINIMUM GRADE OF "C" OR EQUIVALENT.
Technical Drawing or Digital Design and Fabrication	TEC101 --or-- DES108	
General Education	GE23 (suggest EXE 100 for educators)	
General Education	GE23	

Notes and recommendations:

Sophomore Year (60 credits)

THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Curriculum & Evaluation in Career & Technical Education	CTE302	TRADITIONAL -- or -- OL-A: ALL COURSE ACTIVITY COMPLETED ONLINE. USE OF AN INTERNET CONNECTED COMPUTER IS REQUIRED
Materials Processing	TEC 201	
General Physics I	PHY107	
General Education	GE23	
General Education	GE23	

FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Principles of Manufacturing -- or -- Construction Systems	TED 123 -- or -- TED 300	
General Education	GE23	
General Education	GE23	
General Education	GE23	

Notes and recommendations:

Junior Year (90 credits)**FIFTH SEMESTER**

Course Title	Catalog Number	Prerequisite(s)
Educational Psychology: Middle and Secondary Education	SPF303	
Electromechanics or Electrical Circuits & Devices	TEC314 -- or -- ENT331	
Technology and Values	TEC319	
Communications Systems -- or -- Transportation Systems	TED349 -- or -- TED361	

SIXTH SEMESTER

Course Title		
CTE for Students with Special Needs	CTE421	
Teaching Literacy in Middle and Secondary Schools	EDU416	
Career Mentoring	CTE311	
Construction Systems -- or -- Principles of Manufacturing	TEC300 -- or -- TED123	
Materials Science & Testing	TEC311	

Notes and recommendations:**Senior Year (120 credits)****SEVENTH SEMESTER**

Course Title	Catalog Number	Prerequisite(s)
Instructional Strategies in Career and Technical Education	CTE303	
Assessment in Career and Technical Education	CTE402	
Methods of Teaching Career and Technical Subjects	CTE404	
Transportation Systems -- or -- Communications Systems	TED361 -- or -- TED349	
Elective		

EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Student Teaching in TED I (6 credits)	TED450	
Student Teaching in TED II (6 credits)	TED451	
Elective		

Notes and recommendations: