

ACADEMIC ROADMAP
Industrial Technology- Manufacturing Option – BS (2017)

Freshman Year

FIRST SEMESTER		
Course Title	Catalog Number	
Intellectual Foundations Elective		
Core Chemistry	CHE 101	
Foreign Language		
Technical Drawing	TEC 101	
College Writing I	CWP 101	

SECOND SEMESTER		
Course Title	Catalog Number	
Intellectual Foundations Elective		
Core Math	MAT 114	
Foreign Language		
Manufacturing Materials	TEC 201	
College Writing II	CWP 102	

Notes:

Sophomore Year

THIRD SEMESTER		
Course Title	Catalog Number	
Advanced Algebra and Trigonometry	MAT 124	
Materials Science and Testing	TEC 311	
Intellectual Foundations Elective		
All College Elective		
All College Elective		

FOURTH SEMESTER		
Course Title	Catalog Number	
General Physics I	PHY 107	
Computer Aided Drafting and Computer Aided Manufacturing	TEC 302	
Intellectual Foundations Elective		
All College Elective		
All College Elective		

Notes:

Junior Year

FIFTH SEMESTER		
Course Title	Catalog Number	
Materials Management	TEC 312	
Industrial Systems Applications	TEC 404W	
Intellectual Foundations Elective		
Intellectual Foundations Elective		
All College Elective		

SIXTH SEMESTER		
Course Title	Catalog Number	
Electromechanics	TEC 314	
Safety Management	TEC 465	
Marketing	TEC 400 or BUS 320	
Intellectual Foundations Elective		
All College Elective		

Notes:

Senior Year

SEVENTH SEMESTER		
Course Title	Catalog Number	
Ergonomics	TEC 402	
Energy Systems	TEC 351	
Statistical Quality Control	TEC 313	
Intellectual Foundations Elective		
All College Elective		

EIGHTH SEMESTER		
Course Title	Catalog Number	
Systems Analysis	TEC 403	
Manufacturing Technology	TEC 405W	
Intellectual Foundations Elective		
All College Elective		
All College Elective		

Notes: