

UNITED TRIBES TECHNICAL COLLEGE

Program: Pre-Engineering

Degree: AS

Academic Year: 2024-2026

Student Name: _____

Student ID: _____

Advisor: Alexa D. Azure

E-Mail: _____

General Education Requirements (44 Credits)					Required Program Core Courses (7-9 Credits)					Developmental Courses				
Course Number - Title - Credits	Sem	Gr	Rpt	Sub	Course Number - Title - Credits	Sem	Gr	Rpt	Sub	Course Number - Title - Credits	Sem	Gr	Rpt	Sub
Communications (9 Credits)					ENR 116 Intro to Engineering - 3					ASC 087 Effective Writing - 3				
COM 110 Fund of Public Speaking - 3					ENR 117 Computer-Aided Design and Drafting (CADD) - 1					ASC 090 Pre-Algebra I - 2				
ENG 110 Composition - 3					OR ENR 212 Fund. Of Visual Communications for Engineering - 3					ASC 091 Pre-Algebra II - 2				
ENG 120 Composition II - 3					ENR 201 Statics - 3					<i>Pre-requisites as needed:</i>				
Arts & Humanities (3 Credits)										MTH 101 Introduction to Algebra -3				
<i>See Gen. Ed. Matrix*</i>					Program Core Electives (11-13 Credits)					MTH 102 Intermediate Algebra -3				
					ENR 202 Dynamics - 3					MTH 107 Precalculus - 4				
Social Sciences (3 Credits)					ENR 203 Mechanics of Materials - 3					CSC 101 Introduction to Computers - 3				
<i>See Gen. Ed. Matrix*</i>					ENR 204 Surveying - 4									
					ENR 173 Introduction to Computing - 4									
Math, Science & Technology (27 Credits)					ENR 211 Analysis & Design Methods of Environmental Engineers - 3									
CHM 121 General Chemistry I/LAB - 4					ENR 212 Fund. Of Visual Communications for Engineering - 3									
CSC 160 Computer Science I - 4					ENR 217 Advanced Manufacturing - 2									
MTH 165 Calculus - 4					ENR 250 Fund. Of Environmental Engineering - 3									
MTH 166 Calculus II - 4					ENR 275 Digital Systems - 4									
MTH 265 Calculus III - 4					ENR 290 Manufacturing Processes - 3									
MTH 266 Differential Equations - 3					MTH 129 Basic Linear Algebra - 3									
OR MTH 210 Elementary Statistics - 3					CHM 122 General Chemistry II/LAB - 4									
PHY 252 University Physics II - 4					CHM 341 Organics Chemistry I/LAB - 4									
					CHM 342 Organics Chemistry II/LAB - 4									
					PHY 251 University Physics I - 4									
					LAB 252 University Physics Lab II - 1									
					GEO 105 Physical Geology/LAB - 4									
					BIO 150 General Biology/LAB - 4									
Institutional Specific (2 Credits)										Graduation Requirements				
FND 106 First Year Exp. & Healthy Living - 2										Gen Ed Credits: 44				
Total Gen Ed Core Credits Required: 44 Credits					Total Combined Core Credits Required: 20 Credits					Core Credits: 20				
										Total: 64				
										Minimum Credits Required to Graduate: 64 Credits				

* Denotes Native Studies institutional requirement.

Bolded text denotes required course.