

UNITED TRIBES TECHNICAL COLLEGE

Program: Pre-Engineering
Degree: AS

Academic Year: 2021-2022

Student Name: _____

Student ID: _____

Advisor: Alexa D. Azure _____

Email: _____

General Education Requirements (41 Credits)					Required Program Core Courses: (7 Credits)					Developmental Courses				
Course Number - Title - Credits					Course Number - Title - Credits					Course Number - Title - Credits				
Sem	Gr	Rpt	Sub	Sem	Gr	Rpt	Sub	Sem	Gr	Rpt	Sub			
Communications: (9 Credits)					ENR 116 Introduction to Engineering - 3									
COM 110 Fund of Public Speaking - 3					ENR 117 Computer-Aided Design & Drafting (CADD) - 1					ASC 087 Effective Writing - 3				
ENG 110 Composition - 3					ENR 201 Statics - 3					ASC 090 Pre-Algebra I - 2				
ENG 120 Composition II - 3										ASC 091 Pre-Algebra II - 2				
Arts & Humanities: (3 Credits)														
See Gen. Ed. Matrix*														
										Pre-Requisites				
										MTH 101 Introduction to Algebra - 3				
										MTH 102 Intermediate Algebra - 3				
										CSC 101 Introduction to Computers - 3				
Social Sciences: (3 Credits)					Program Core Electives: (12 credits)									
See Gen. Ed. Matrix*					ENR 202 Dynamics - 3									
					ENR 203 Mechanics of Materials - 3									
					ENR 204 Surveying - 4									
					ENR 217 Advanced Manufacturing - 2									
					MTH 129 Basic Linear Algebra- 3									
					MTH 266 Differential Equations - 3									
Math, Science & Technology: (24 Credits)					CHM 122 General Chemistry II/LAB - 4									
CHM 121 General Chemistry I/LAB - 4					CHM 341 Organic Chemistry I/LAB - 4									
MTH 107 Precalculus - 4					PHY 251 University Physics I - 4									
MTH 165 Calculus - 4					PHY 252 University Physics II - 4									
MTH 166 Calculus II - 4					LAB 252 University Physics II Lab - 1									
MTH 265 Calculus III - 4					GEO 105 Physical Geology - 3									
CSC 160 Computer Science I - 4														
Institutional Specific: (Campus-based only) (2 Credits)										Graduation Requirements				
FND 106 First Year Experience & Healthy Living - 2										Gen Ed Credits: 41				
										Core Credits: 19				
										TOTAL 60				
Total Gen Ed Core Credits Required: 41 Credits					Total Program Core Credits Required: 19 Credits					Minimum Credits Required to Graduate: 60 Credits				

* Denotes Native Studies institutional requirement.
Bolded text denotes required course.