

Articulation Agreement - Course Equivalencies		
Broome Community College		Buffalo State
Engineering Science A.S.		Industrial Technology B.S.
Course Dept & No.	Cr hrs	Course Dept & No.
First Semester		
ENG 110 College Writing I	3	CWP 101*
CHM 145 - General Chemistry I	4	CHE 111
CST 127 - Introduction to C++ for Engineers	3	CIS 151
EGR 100 L - Engineering Orientation: Student Success I	0.5	ENT 1XX
EGR 150 - Engineering Design I with Graphics	2	TEC 1XX
MAT 181 - Calculus I	<u>4</u>	MAT 161
-	16.5	
Second Semester		
MET 121 (Engineering Elective)	2	TEC 1XX
EGR 101 - Engineering Orientation: Student Success II	0.5	ENT 1XX
EGR 151 - Engineering Design II	2	TEC 101 (+EGR 150)
MAT 182 - Calculus II	4	MAT 162
Social Sciences Electives	3	Gen Ed/IF
PHY 181 - Physics for Engineers & Scientists I	<u>4</u>	PHY 111
-	15.5	
Third Semester		
EGR 200 L - Engineering Orientation: Student Success III	0.5	ENT 1XX
MET 122 (Engineering Elective II)	2	TEC 201 (+MET 121)
EGR 287 L - Engineering Design III	1	ENT 1XX
EGR 289 W - Microprocessors	4	ENT 1XX
MAT 282 - Differential Equations w/Linear Algebra	4	ENT 300
PED Electives	1	Elective
PHY 182 - Physics for Engineers & Scientists II	<u>4</u>	PHY 112
-	16	
Fourth Semester		
EGR 201 L - Engineering Orientation: Student Success IV	0.5	ENT 1XX
SQC 113 (Engineering Elective IV)	3	TEC 313
EGR 284 (Engineering Elective III)	3	TEC 311
EGR 285 (Engineering Elective V)	3	TEC 314
EGR 288 L - Engineering Design IV	1	TEC 1XX
ENG 111 - College Writing II	3	CWP 102*
MAT 281 - Calculus III	<u>4</u>	MAT 263
-	17.5	

*A grade of C or better is required for transfer.

**Foreign Language fulfilled at Buffalo State if 2 years of the same language successfully completed in high school

Buffalo State

Remaining courses:

Major:

TEC 312 Materials Management

TEC 402 Ergonomics

TEC 403 Systems Analysis

Select 1 of the following Concentrations: (total 18 cr hrs)

Manufacturing Concentration

Quality Concentration

Total Required in Other Fields (total 12 cr hrs)

MAT 124 Pre-Calculus

All College Elective (total 0-27 cr hrs)

Intellectual Foundations (Gen Ed/IF) not met

<http://catalog.buffalostate.edu/undergraduate/industrial-technology-bs.htm>