Exhibit A:
Associate of Engineering Degree in Civil Engineering
Colorado State University-Ft. Collins

Courses that Fulfill General Education Requirements			**37**
Content Area	Credit Hours	Community College Course No.	Course Title or Category
Written Communication	6	**Any GT-CO1 AND Any GT-CO2**	English Composition I (GT-CO1)[1] **OR** Technical Writing (GT-CO1)[1] **AND** English Composition II (GT-CO2)[1]
Calculus I & II	10	MAT 201 (5) **AND** MAT 202 (5)	Calculus I (GT-MA1) **AND** Calculus II (GT-MA1)
Arts & Humanities	3	PHI 218 **OR** **Any GT-AH**	One GT Pathways Arts & Humanities course (GT-AH1, GT-AH2, GT-AH3, GT-AH4)
Social & Behavioral Sciences	3	COM 220 **OR** **Any GT-SS**	One GT Pathways Social & Behavioral Sciences course (GT-SS1, GT-SS2, GT-SS3)
Natural & Physical Sciences	15	CHE 111 (5) **AND** CHE 112 (5) **AND** PHY 211 (5)	General College Chemistry I/Lab (GT-SC1) **AND** General College Chemistry I/Lab (GT-SC1) **AND** Calculus-based Physics I/Lab (GT-SC1)
Additional Required Courses			**27**
Note: If these credits are *not* required for the *major* at a receiving institution, they will be applied to the bachelor's degree as *elective credit* towards *graduation*. Check with the receiving institution to determine in which way these courses will be applied.			
Content Area	Credit Hours	Community College Course No.	Course Title
Calculus III[1]	4[1]	MAT 203 (4) **OR** MAT 204 (5)	Calculus III[1] (4) **OR** Calculus III with Engineering Applications[1] (5)
Differential Equations & Linear Algebra[2]	4[2]	MAT 261 (4) **AND** MAT 255 (3) **OR** MAT 265 (3) **AND** MAT 255 (3) **OR** **MAT 266 (4)**	Differential Equations with Engineering Applications[2] (4) **AND** Linear Algebra (3) **OR** Differential Equations[2] (3) **AND** Linear Algebra (3) **OR** Differential Equations with Linear Algebra[2] (4)
Engineering	9	EGG 211 (3) EGG 212 (3) EGG 132 (1) **AND** EGG 151 (2)	Engineering Mechanics I (Statics) Engineering Mechanics II (Dynamics) Engineering Data Analysis **AND** Experimental Design
Engineering Projects	3	EGG 140 (3) **OR** EGT 140 (3)	Engineering Projects (3) **OR** Intro Design/Engineering Apps (3)
Engineering Computing	4	EGG 145 (4)	Engineering Computing
Science/Technical Elective[3]	3[3]	**EGG 230**, GEY 111, BIO 111, BIO 221, GEY 135, HLT 240	Thermodynamics (3), Physical Geography: Landforms w/Lab (4), Botany w/Lab (5), General College Biology w/Lab (5), Environmental Geology w/Lab (4), Introductory Soil Science (4)
Total[4]			**64**

Notes:

[1]***Calculus III.*** *Calculus III w/ Engineering Applications (MAT 204) is preferred; However, additional credits over 64 may not transfer to CSU.*

[2]***Differential Equations & Linear Algebra:*** It is **recommended** for students **to complete MAT 266. If a student completes MAT 265 OR MAT 261, they must also complete MAT 255 Linear Algebra** *along with MAT 265 or MAT 261.Credits for MAT 255 will need to be completed in addition to the 64 credits. Additional credits over 64 may not transfer to CSU.*

[3]*Students take one course from the list of Science/Technical Electives and EGG 230 Thermodynamics is preferred. Additional credits over 64 may not transfer to CSU.*

[4]*The Associate of Engineering Science Degree with a concentration in Civil Engineering requires a minimum of 64 credits.*