

## SEMESTER 1

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COURSE	CREDITS
MAT 201 Calculus I (MATH 160)	5
CHE 111 General College Chemistry I / Lab (CHEM 111, 112)	5
EGG 140 Engineering Projects (MECH 202)	3
<b>Total Credits</b>	<b>13</b>

## SEMESTER 2

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COURSE	CREDITS
MAT 202 Calculus II (MATH 161)	5
PHY 211 Calculus-based Physics I / Lab (PH 141)	5
ENG 121 English Composition I or ENG 131 Technical Writing I (CO 150)	3
<b>Total Credits</b>	<b>13</b>

## SEMESTER 3

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COURSE	CREDITS
MAT 266 Differential Equations with Linear Algebra (MATH 340)	4
EGG 211 Engineering Mechanics I (Statics) (CIVE 260)	3
EGG 145 Intro to Engineering Computing (MECH 105)	4
ENG 122 (Adv Writing)	3
<b>Total Credits</b>	<b>14</b>

## SEMESTER 4

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COURSE	CREDITS
MAT 204 Calculus III with Engineering Applications (MATH 261)	5
PHY 212 Calculus-based Physics II / Lab (PH 142)	5
EGG 212 Engineering Mechanics II (Dynamics) (CIVE 261)	4
<b>Total Credits</b>	<b>14</b>

## SEMESTER 5

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COURSE	CREDITS
EGG 132 Engineering Data Analysis and EGG 151 Experimental Design (MECH 231)	3
CAD 255 SolidWorks / Mechanical (3 cr) and MAC 142 (1 cr) (MECH 201 and MECH 200B)	4
GT-SS Any Social Sciences Course <sup>1</sup> (AUCC 3C – Social / Behavioral Sciences)	3
GT-AH Any Arts & Humanities Course <sup>2</sup> (AUCC 3B – Arts / Humanities)	3
<b>Total Credits</b>	<b>13</b>

<sup>1</sup> Recommended: COM 220 Intercultural Communication

<sup>2</sup> Recommended: PHI 218 Environmental Ethics



# FRONT RANGE COMMUNITY COLLEGE

TRANSFER PATHWAY GUIDE

2.5-YEAR PLAN



MECHANICAL ENGINEERING  
COLORADO STATE UNIVERSITY

