



University of Colorado **Denver**

Arapahoe Community College (ACC) to CU-Denver Transfer Advising Guide for Mechanical Engineering (B.S.)

College of Engineering, Design and Computing
[Mechanical Engineering Department Website](#)

Program Overview:

The Mechanical engineering offers interesting and challenging career opportunities in research, design, development, manufacturing, testing and marketing for either private industry or government. As a mechanical engineer, you may work on products such as engines, transmissions, compressors, pumps, computer disk drives, CAD/CAE software, oil field drilling rigs, missiles, space satellites, earth moving equipment, container manufacturing machines and medical equipment.

Admission Requirements:

[Please see this website for more information regarding CU Engineering admission criteria.](#)

ACC Course Options: (the following courses will apply directly to the degree)

<u>Core Curriculum:</u> (Please consult CU Denver Core Curriculum and Transferology)		<u>ACC Credits</u>
ENG 121	English Composition 1	(3 credits)
ENG 122	English Composition 2	(3 credits)
Arts & Humanities	Two Courses (GT-AH1, AH2, AH3, or AH4)	(6 credits)
Social & Behavior Science	Two courses (GT-SS1, GT-SS2, or GT-SS3)	(6 credits)
History	GT-HI1	(3 credits)
 <u>Mathematics:</u>		
MAT 201	Calculus 1	(5 credits)
MAT 202	Calculus 2	(5 credits)
MAT 203	Calculus 3	(4 credits)
MAT 204	Calculus 3 with Engineering Applications	(5 credits)
MAT 255	Linear Algebra	(3 credits)
MAT 265	Differential Equations	(3 credits)
MAT 266	Differential Equations with Linear Algebra	(4 credits)
 <u>Science:</u>		
PHY 211	Calc-based Physics I	(5 credits)
PHY 212	Calc-based Physics II	(5 credits)
CHE 111	General Chemistry I	(5 credits)
 <u>Engineering/Computer Science:</u>		
CSC 160	Computer Science	(4 credits)
CAD 255-259	Solid Works (choose one course)	(3 credits)
EGG 102 or 140	Engineering Methodologies or Projects	(3 credits)

Suggested Five-Year Course Plan for Mechanical Engineering

This is a suggested guide of coursework only and is subject to change. Students should consult with a CU Denver academic advisor as soon as possible prior to transferring. CU Denver courses may be reverse transferred to count toward a community college associate degree. Course credits shown below reflect those awarded by the institution offering the course.

* denotes courses that do not apply to the B.S. degree

Arapahoe Community College (ACC) first two years

Fall Semester 1

Course	Course Title	Credits
MAT 121	College Algebra*	4
ENG 121	English Composition 1	3
CAD 255	SolidWorks/Mechanical	3
	Art/Hum/SS/BS/HI	3
	Art/Hum/SS/BS/HI	3
	Total Credits	16

Spring Semester 1

Course	Course Title	Credits
MAT 122 or 166	Trigonometry or Pre-Calculus*	3-5
ENG 122	English Composition 2	3
CHE 111	College Chemistry 1 (with lab)	5
EGG 102 or CSC 119	Engineering Methodologies/Intro to Programming*	3
	Total Credits	14-16

Fall Semester 2

Course	Course Title	Credits
MAT 201	Calculus 1	5
	Art/Hum/SS/BS/HI	3
	Art/Hum/SS/BS/HI	3
	Art/Hum/SS/BS/HI	3
	Total Credits	14

Spring Semester 2

Course	Course Title	Credits
MAT 202	Calculus 2	5
PHY 211	Physics 1	5
CSC 160	Computer Science 1	4
	Total Credits	14

CU-Denver (last three years)

Fall Semester 3

Course	Course Title	Credits
MATH 2421	Calculus III	4
	Cultural Diversity	3
MECH 2024	Materials Science	3
MECH 2034	Properties of Materials Lab	1
MECH 2023	Statics	3
	Total Credits	14

CU-Denver (last three years)...continued

Spring Semester 3

Course	Course Title	Credits
MATH 3195	Linear Algebra & Differential Equations	4
MECH 1045	Manufacturing	3
MECH 3043	Strength of Materials	3
PHYS 2331/2341	General Physics II with Lab	5
	Total Credits	15

Fall Semester 4

Course	Course Title	Credits
MECH 3012	Thermodynamics	3
MECH 3010	Elem. Numerical Methods & Programming	3
ELEC 3030/MECH 3032	Electric Circuits & Systems w/ Lab	4
MECH 2033	Dynamics	3
	Total Credits	13

Spring Semester 4

Course	Course Title	Credits
MECH 3021	Introduction to Fluid Mechanics	3
MECH 3031	Fluids Thermal Lab	1
MECH 3022	Thermodynamics II	3
MECH 3035	Design of Mechanical Elements	3
MECH 3023	System Dynamics I	3
	Total Credits	13

Fall Semester 5

Course	Course Title	Credits
MECH 4023	System Dynamics II	3
MECH 4035	Senior Design I	3
MECH 3042	Heat Transfer	3
MECH	Technical Elective	3
	Total Credits	15

Spring Semester 5

Course	Course Title	Credits
MECH 4045	Senior Design II	3
MECH 3027/3028	Measurements w/ Lab	4
MECH 4142	Thermal Systems Design	3
MECH	Technical Elective	3
	MECH Elective	3
MECH	Total Credits	16

University of Colorado **Denver**

Community College of Aurora (CCA) to CU-Denver Transfer Advising Guide for Mechanical Engineering (B.S.)

College of Engineering, Design and Computing

[Mechanical Engineering Department Website](#)

Program Overview:

The Mechanical engineering offers interesting and challenging career opportunities in research, design, development, manufacturing, testing and marketing for either private industry or government. As a mechanical engineer, you may work on products such as engines, transmissions, compressors, pumps, computer disk drives, CAD/CAE software, oil field drilling rigs, missiles, space satellites, earth moving equipment, container manufacturing machines and medical equipment.

Admission Requirements:

[Please see this website for more information regarding CU Engineering admission criteria.](#)

CCA Course Summary: (the following courses will apply directly to the degree)

<u>Core Curriculum:</u> (Please consult CU Denver Core Curriculum and Transferology)		<u>CCA Credits</u>
ENG 121	English Composition 1	(3 credits)
ENG 122	English Composition 2	(3 credits)
Arts & Humanities	Two Courses (GT-AH1, AH2, AH3, or AH4)	(6 credits)
Social & Behavior Science	Two courses (GT-SS1, GT-SS2, or GT-SS3)	(6 credits)
History	GT-HI1	(3 credits)
 <u>Mathematics:</u>		
MAT 201	Calculus 1	(5 credits)
MAT 202	Calculus 2	(5 credits)
MAT 203	Calculus 3	(4 credits)
MAT 204	Calculus 3 with Engineering Applications	(5 credits)
MAT 255	Linear Algebra	(3 credits)
MAT 265	Differential Equations	(3 credits)
MAT 266	Differential Equations with Linear Algebra	(4 credits)
 <u>Science:</u>		
PHY 211	Calc-based Physics I	(5 credits)
PHY 212	Calc-based Physics II	(5 credits)
CHE 111	General Chemistry I	(5 credits)
 <u>Engineering/Computer Science:</u>		
CSC 160	Computer Science	(4 credits)
EGG 106	Robotics Design	(1 credit)
EGG 151	Experimental Design	(2 credits)

Suggested Five-Year Course Plan for Mechanical Engineering

This is a suggested guide of coursework only and is subject to change. Students should consult with a CU Denver academic advisor as soon as possible prior to transferring. CU Denver courses may be reverse transferred to count toward a community college associate degree. Course credits shown below reflect those awarded by the institution offering the course.

* denotes courses that do not apply to the B.S. degree

Community College of Aurora (CCA) first two years

Fall Semester 1

Course	Course Title	Credits
MAT 122 or 166	Trigonometry or Pre-Calculus*	3-5
ENG 121	English Composition 1	3
	Art/Hum/SS/BS/HI	3
	Art/Hum/SS/BS/HI	3
	Total Credits	12-14

Spring Semester 1

Course	Course Title	Credits
MAT 201	Calculus 1	5
ENG 122	English Composition 2	3
CHE 111	College Chemistry 1 (with lab)	5
EGG 106	Robotics Design	1
	Total Credits	14

Fall Semester 2

Course	Course Title	Credits
MAT 202	Calculus 2	5
PHY 211	Physics 1	5
CSC 160	Computer Science 1	4
	Total Credits	14

Spring Semester 2

Course	Course Title	Credits
MAT 203	Calculus 3	4
PHYS 212	Physics 2	5
EGG 151	Experimental Design	2
	Art/Hum/SS/BS/HI	3
	Total Credits	14

CU-Denver (last three years)

Fall Semester 3

Course	Course Title	Credits
MECH 1025	Graphics & CAD	3
MECH 2024	Materials Science	3
MECH 2034	Properties of Materials Lab	1
MECH 2023	Statics	3
	Art/Hum/SS/BS/HI	3
	Total Credits	13

CU-Denver (last three years)...continued

Spring Semester 3

Course	Course Title	Credits
MATH 3195	Linear Algebra & Differential Equations	4
MECH 1045	Manufacturing	3
MECH 3043	Strength of Materials	3
	Art/Hum/SS/BS/HI	3
	Total Credits	13

Fall Semester 4

Course	Course Title	Credits
MECH 3012	Thermodynamics	3
MECH 3010	Elem. Numerical Methods & Programming	3
ELEC 3030/MECH 3032	Electric Circuits & Systems w/ Lab	4
MECH 2033	Dynamics	3
	Cultural Diversity	3
	Total Credits	16

Spring Semester 4

Course	Course Title	Credits
MECH 3021	Introduction to Fluid Mechanics	3
MECH 3031	Fluids Thermal Lab	1
MECH 3022	Thermodynamics II	3
MECH 3035	Design of Mechanical Elements	3
MECH 3023	System Dynamics I	3
	Total Credits	13

Fall Semester 5

Course	Course Title	Credits
MECH 4023	System Dynamics II	3
MECH 4035	Senior Design I	3
MECH 3042	Heat Transfer	3
MECH	Technical Elective	3
	Total Credits	12

Spring Semester 5

Course	Course Title	Credits
MECH 4045	Senior Design II	3
MECH 3027/3028	Measurements w/ Lab	4
MECH 4142	Thermal Systems Design	3
MECH	Technical Elective	3
MECH	Total Credits	13



CCD to CU-Denver Transfer Advising Guide for Mechanical Engineering (B.S.)

College of Engineering, Design and Computing

[Mechanical Engineering Department Website](#)

Program Overview:

The Mechanical engineering offers interesting and challenging career opportunities in research, design, development, manufacturing, testing and marketing for either private industry or government. As a mechanical engineer, you may work on products such as engines, transmissions, compressors, pumps, computer disk drives, CAD/CAE software, oil field drilling rigs, missiles, space satellites, earth moving equipment, container manufacturing machines and medical equipment.

Admission Requirements:

[Please see this website for more information regarding CU Engineering admission criteria.](#)

CCD Course Summary: (the following courses will apply directly to the degree)

Core Curriculum: (Please consult [CU Denver Core Curriculum](#) and [Transferology](#)) CCD Credits

ENG 121	English Composition 1	(3 credits)
ENG 122	English Composition 2	(3 credits)
Arts & Humanities	Two Courses (GT-AH1, AH2, AH3, or AH4)	(6 credits)
Social & Behavior Science	Two courses (GT-SS1, GT-SS2, or GT-SS3)	(6 credits)
History	GT-HI1	(3 credits)

Mathematics:

MAT 201	Calculus 1	(5 credits)
MAT 202	Calculus 2	(5 credits)
MAT 203	Calculus 3	(4 credits)
MAT 204	Calculus 3 with Engineering Applications	(5 credits)
MAT 255	Linear Algebra	(3 credits)
MAT 265	Differential Equations	(3 credits)
MAT 266	Differential Equations with Linear Algebra	(4 credits)

Science:

PHY 211	Calc-based Physics I	(5 credits)
PHY 212	Calc-based Physics II	(5 credits)
CHE 111	General Chemistry I	(5 credits)

Engineering/Computer Science:

CSC 160	Computer Science	(4 credits)
CAD 255	SolidWorks/Mechanical	(3 credits)
EGG 106	Robotics Design	(1 credit)
EGG 151	Experimental Design	(2 credits)

Suggested Five-Year Course Plan for Mechanical Engineering

This is a suggested guide of coursework only and is subject to change. Students should consult with a CU Denver academic advisor as soon as possible prior to transferring. CU Denver courses may be reverse transferred to count toward a community college associate degree. Course credits shown below reflect those awarded by the institution offering the course.

* denotes courses that do not apply to the B.S. degree

Community College of Denver (CCD) first two years

Fall Semester 1

Course	Course Title	CCD Credits
EGG 106	Robotics Design	1
MAT 121	College Algebra* GT:MA1	4
CAD 101	Computer Aided Drafting I*	3
ECO 202	Microeconomics	3
ENG 121	English Composition I GT-CO1	3
	Total Credits	14

Spring Semester 1

Course	Course Title	CCD Credits
EGG 151	Experimental Design	2
MAT 166	Pre-Calculus* GT:MA1	5
CHE 111	College Chemistry I (with lab) GT-SC1	5
ENG 122	English Composition II GT-CO2	3
	Total Credits	15

Fall Semester 2

Course	Course Title	CCD Credits
CAD 255	Solid Works/Mechanical	3
MAT 201	Calculus I GT:MA1	5
PHI 112	Ethics GT-AH3	3
COM 220	Intercultural Comm GT-SS3	3
Elective		1
	Total Credits	15

Spring Semester 2

Course	Course Title	CCD Credits
MAT 202	Calculus II GT:MA1	5
PHY 211	Physics Calculus Based (with lab) GT-SC1	5
Varies	GT-HI1	3
Varies	GT-AH1-2, 4	3
	Total Credits	16

CU-Denver (last three years)

Fall Semester 3

Course	Course Title	CU Credits
MATH 2421	Calculus III	4
MECH 2024	Materials Science	3
MECH 2034	Properties of Materials Lab	1
MECH 2023	Statics	3
	IWKS 2300	3
	Total Credits	14

CU-Denver (last three years)...continued

Spring Semester 3

Course	Course Title	CU Credits
MATH 3195	Linear Algebra & Differential Equations	4
MECH 1045	Manufacturing	3
MECH 3043	Strength of Materials	3
PHYS 2331/2341	General Physics II with Lab	5
	Total Credits	15

Fall Semester 4

Course	Course Title	CU Credits
MECH 3012	Thermodynamics	3
MECH 3010	Elem. Numerical Methods & Programming	3
ELEC 3030/MECH 3032	Electric Circuits & Systems w/ Lab	4
MECH 2033	Dynamics	3
	Total Credits	13

Spring Semester 4

Course	Course Title	CU Credits
MECH 3021	Introduction to Fluid Mechanics	3
MECH 3031	Fluids Thermal Lab	1
MECH 3022	Thermodynamics II	3
MECH 3035	Design of Mechanical Elements	3
MECH 3023	System Dynamics I	3
	Total Credits	13

Fall Semester 5

Course	Course Title	CU Credits
MECH 4023	System Dynamics II	3
MECH 4035	Senior Design I	3
MECH 3042	Heat Transfer	3
	Technical Elective 3000+	3
	Cultural Diversity	3
	Total Credits	15

Spring Semester 5

Course	Course Title	CU Credits
MECH 4045	Senior Design II	3
MECH 3027/3028	Measurements w/ Lab	4
MECH 4142	Thermal Systems Design	3
	Technical Elective 3000+	3
MECH	Total Credits	13

University of Colorado **Denver**

Front Range Community College (FRCC) to CU-Denver Transfer Advising Guide for Mechanical Engineering (B.S.)

College of Engineering, Design and Computing

[Mechanical Engineering Department Website](#)

Program Overview:

The Mechanical engineering offers interesting and challenging career opportunities in research, design, development, manufacturing, testing and marketing for either private industry or government. As a mechanical engineer, you may work on products such as engines, transmissions, compressors, pumps, computer disk drives, CAD/CAE software, oil field drilling rigs, missiles, space satellites, earth moving equipment, container manufacturing machines and medical equipment.

Admission Requirements:

[Please see this website for more information regarding CU Engineering admission criteria.](#)

FRCC Course Options: (the following courses will apply directly to the degree)

* **BOLD denotes admission requirement courses**

<u>Core Curriculum:</u> (Please consult CU Denver Core Curriculum and Transferology)		FRCC Credits
ENG 121	English Composition 1	(3 credits)
ENG 122	English Composition 2	(3 credits)
Arts & Humanities	Two Courses (GT-AH1, AH2, AH3, or AH4)	(6 credits)
Social & Behavior Science	Two courses (GT-SS1, GT-SS2, or GT-SS3)	(6 credits)
History	GT-HI1	(3 credits)
 <u>Mathematics:</u>		
MAT 201*	Calculus 1	(4 credits)
MAT 202*	Calculus 2	(4 credits)
MAT 204 OR 203	Calculus 3 with Eng Applications OR Calculus 3	(4 or 5 credits)
MAT 266 OR 265/255	Differential Equations with Linear Algebra OR Differential Equations/Linear Algebra	(4 or 3 credits)
 <u>Science:</u>		
PHY 211*	Calc-based Physics I	(5 credits)
PHY 212	Calc-based Physics II	(5 credits)
CHE 111	General Chemistry I	(5 credits)
 <u>Engineering/Computer Science:</u>		
CSC 160	Computer Science	(4 credits)
CAD 255-259	Solid Works (choose one course)	(3 credits)
EGG 140	Engineering Projects	(4 credits)
EGG 211	Statics	(3 credits)
EGG 212	Dynamics	(3 credits)

Suggested Five-Year Course Plan for Mechanical Engineering

This is a suggested guide of coursework only and is subject to change. Students should consult with a CU Denver academic advisor as soon as possible prior to transferring. CU Denver courses may be reverse transferred to count toward a community college associate degree. Course credits shown below reflect those awarded by the institution offering the course.

* denotes courses that do not apply to the B.S. degree

Front Range Community College (FRCC) first two years

Fall Semester 1

Course	Course Title	Credits
MAT 121	College Algebra*	4
ENG 121	English Composition 1	3
EGG 100	Intro to Engineering*	1
	Art/Hum/SS/BS/HI	3
	Art/Hum/SS/BS/HI	3
	Total Credits	14

Spring Semester 1

Course	Course Title	Credits
MAT 166 or 122	Pre-Calculus or Trigonometry *	3/5
ENG 122	English Composition 2	3
CHE 111	College Chemistry 1 (with lab)	5
CAD 255	SolidWorks/Mechanical	3
	Total Credits	14-16

Fall Semester 2

Course	Course Title	Credits
MAT 201	Calculus 1	5
EGG 140	Engineering Projects	4
	Art/Hum/SS/BS/HI	3
	Art/Hum/SS/BS/HI	3
	Total Credits	15

Spring Semester 2

Course	Course Title	Credits
MAT 202	Calculus 2	5
PHY 211	Physics 1	5
CSC 160	Computer Science 1	4
	Art/Hum/SS/BS/HI	3
	Total Credits	17

CU-Denver (last three years)

Fall Semester 3

Course	Course Title	Credits
MATH 2421	Calculus III	4
	Cultural Diversity	3
MECH 2024	Materials Science	3
MECH 2034	Properties of Materials Lab	1
MECH 2023	Statics	3
	Total Credits	14

CU-Denver (last three years)...continued

Spring Semester 3

Course	Course Title	Credits
MATH 3195	Linear Algebra & Differential Equations	4
MECH 1045	Manufacturing	3
MECH 3043	Strength of Materials	3
PHYS 2331/2341	General Physics II with Lab	5
	Total Credits	15

Fall Semester 4

Course	Course Title	Credits
MECH 3012	Thermodynamics	3
MECH 3010	Elem. Numerical Methods & Programming	3
ELEC 3030/MECH 3032	Electric Circuits & Systems w/ Lab	4
MECH 2033	Dynamics	3
	Total Credits	13

Spring Semester 4

Course	Course Title	Credits
MECH 3021	Introduction to Fluid Mechanics	3
MECH 3031	Fluids Thermal Lab	1
MECH 3022	Thermodynamics II	3
MECH 3035	Design of Mechanical Elements	3
MECH 3023	System Dynamics I	3
	Total Credits	13

Fall Semester 5

Course	Course Title	Credits
MECH 4023	System Dynamics II	3
MECH 4035	Senior Design I	3
MECH 3042	Heat Transfer	3
MECH	Technical Elective	3
	Total Credits	12

Spring Semester 5

Course	Course Title	Credits
MECH 4045	Senior Design II	3
MECH 3027/3028	Measurements w/ Lab	4
MECH 4142	Thermal Systems Design	3
MECH	Technical Elective	3
MECH	Total Credits	13



RRCC to CU-Denver Transfer Advising Guide for Mechanical Engineering (B.S.)

College of Engineering, Design and Computing
[Mechanical Engineering Department Website](#)

Program Overview:

The Mechanical engineering offers interesting and challenging career opportunities in research, design, development, manufacturing, testing and marketing for either private industry or government. As a mechanical engineer, you may work on products such as engines, transmissions, compressors, pumps, computer disk drives, CAD/CAE software, oil field drilling rigs, missiles, space satellites, earth moving equipment, container manufacturing machines and medical equipment.

Admission Requirements:

[Please see this website for more information regarding CU Engineering admission criteria.](#)

RRCC Course Options: (the following courses will apply directly to the degree)

<u>Core Curriculum:</u> (Please consult CU Denver Core Curriculum and Transferology)		<u>RRCC Credits</u>
ENG 121/131	English Composition 1 / Technical Writing 1	(3 credits)
ENG 122	English Composition 2	(3 credits)
Arts & Humanities	Two Courses (GT-AH1, AH2, AH3, or AH4)	(6 credits)
Social & Behavior Science	Two courses (GT-SS1, GT-SS2, or GT-SS3)	(6 credits)
History	One GT-HI1	(3 credits)
 <u>Mathematics:</u>		
MAT 201	Calculus 1	(5 credits)
MAT 202	Calculus 2	(5 credits)
MAT 204	Calculus 3 with Engineering Applications	(5 credits)
MAT 255	Linear Algebra	(3 credits)
MAT 261	Differential Equations with Engineering Applications	(4 credits)
 <u>Science:</u>		
PHY 211	Calc-based Physics I	(5 credits)
PHY 212	Calc-based Physics II	(5 credits)
CHE 111	General Chemistry I	(5 credits)
 <u>Engineering/Computer Science:</u>		
CSC 160	Computer Science	(4 credits)
CAD 255-259	Solid Works (choose one course)	(3 credits)
EGT 140	IDEA (engineering projects)	(3 credits)
EKG 211	Statics	(3 credits)

Suggested Five-Year Course Plan for Mechanical Engineering

This is a suggested guide of coursework only and is subject to change. Students should consult with a CU Denver academic advisor as soon as possible prior to transferring. CU Denver courses may be reverse transferred to count toward a community college associate degree. Course credits shown below reflect those awarded by the institution offering the course.

Pre-Engineering at Red Rocks Community College (RRCC)

These are recommended courses for students who need preparation for the calculus sequence, chemistry, and computer science.

* denotes courses that do not apply to the B.S. degree

MAT 055/MAT 121 Combined Pre-Algebra and College Algebra, 8 credits

MAT 121 College Algebra*, 4 credits

MAT 122 Trigonometry*, 4 credits

CHE 101 Introduction to Chemistry*, 5 credits

CSC 119, Introduction to Programming*, 3 credits

Red Rocks Community College (First 2 Years)

Fall Semester 1

Course	Course Title	RRCC Credits
MAT 201	Calculus 1	5
CHE 111	College Chemistry 1 (w/Lab)	5
ENG 121	English Composition 1	3
COM 220	Intercultural Comm. GT-SS3	3
	Total Credits	16

RRCC Spring Semester 1

Course	Course Title	RRCC Credits
MAT 202	Calculus 2	5
ENG 122	English Composition 2	3
CSC 160	Computer Science 1	4
	GT-AH**	3
	Total Credits	15

**See RRCC advisor for course selection

RRCC Fall Semester 2

Course	Course Title	RRCC Credits
MAT 204	Calculus 3	5
PHY 211	Physics 1	5
CAD 255-259	Solid Works 3D Modeling (only need one course)	3
EGT 140	IDEA (engineering projects)	3
	Total Credits	16

Spring Semester 2

Course	Course Title	RRCC Credits
MAT 261	Differential Equations	4
PHY 212	Physics 2	5
EGG 211	Statics	3
	GT-AH**	3
HIS 247	20 th Century World History	3
	Total Credits	18

**See RRCC advisor for course selection

CU Denver (Last 3 Years)

CU Denver Fall Semester 3

Course	Course Title	CU-Denver Credits
MATH 3191	Linear Algebra	3
MECH 2024	Materials Science	3
MECH 2034	Properties of Materials Lab	1
MECH 3043	Strength of Materials	3
MECH 1045	Manufacturing	3
MECH 2033	Dynamics	3
MECH 3012	Thermodynamics	3
	Total Credits	19

CU Denver Spring Semester 3

Course	Course Title	CU-Denver Credits
MECH 3021	Introduction to Fluid Mechanics	3
MECH 3031	Fluids Thermal Lab	1
ELEC 3030/MECH 3032	Electric Circuits & Systems w/ Lab	4
MECH 3010	Elem. Numerical Methods & Programming	3
MECH 3035	Design of Mechanical Elements	3
MECH 3027/3028	Measurements w/ Lab	4
	Total Credits	18

CU Denver Fall Semester 4

Course	Course Title	CU-Denver Credits
MECH 4035	Senior Design I	3
MECH 3023	System Dynamics I	3
MECH 3022	Thermodynamics II	3
MECH 3042	Heat Transfer	3
MECH	Technical Elective	3
	Social Science***	3 Transfer AS
	Total Credits	18

***Course apply toward completion of AS degree. See advisor

CU Denver Spring Semester 4

Course	Course Title	CU-Denver Credits
MECH 4045	Senior Design II	3
MECH 4023	System Dynamics II	3
MECH 4142	Thermal Systems Design	3
MECH	Technical Elective	3
	Cultural Diversity***	3 Transfer As
	Total Credits	15

***Course apply toward completion of AS degree. See advisor