

This program is designed for the student who wishes to receive a traditional four-year engineering Bachelor's degree by beginning at ACC, and then transferring to an engineering school. This program is based on a transfer agreement between ACC and the University of Colorado at Denver (UCD). Credits listed below are transferable to UCD within the limits of the agreement. Students completing the curriculum below with satisfactory performance will be able to transfer into the UCD College of Engineering and Applied Science with a junior standing.

**General Education – 50-53 credit hours**

**Mathematics – 14 credit hours**

	MAT 201 Calculus I	5
	MAT 202 Calculus II	5
	MAT 203 Calculus III	4

**Sciences – 15 credit hours**

	CHE 111 General College Chemistry I	5
	PHY 211 Physics: Calculus-based I	5
	PHY 212 Physics: Calculus-based II	5

**Communication – 9 credit hours**

	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	SPE 115 Public Speaking	3

**Humanities and Social Sciences – 12-15 credit hours**

Depending on program option selection below, either 12 or 15 Humanities and Social Sciences credits are required:

Select 6 credit hours from the same area:

	ECO 201 Principles of Macroeconomics	3
	ECO 202 Principles of Microeconomics	3
	POS 105 Introduction to Political Science	3
	POS 111 American Government	3
	SOC 101 Introduction to Sociology I	3
	SOC 102 Introduction to Sociology II	3

Select 3 credit hours from:

	ANT 101 Cultural Anthropology	3
	ANT 111 Physical Anthropology	3
	PSY 101 General Psychology I	3

Select 6 credit hours from the same area:

	HIS 101 Western Civilization I	3
	HIS 102 Western Civilization II	3
	LIT 201 Masterpieces of Literature I	3
	LIT 202 Masterpieces of Literature II	3
	PHI 111 Introduction to Philosophy	3
	PHI 112 Ethics	3

**Choose one program option: 12 – 15 credit hours**

**Civil Engineering option – 12 credit hours**

15 credit hours of Humanities/Social Science electives required

	EGG 101 Engineering Graphics	3
	EGG 211 Engineering Mechanics: Statics	3
	EGG 212 Engineering Mechanics: Dynamics	3
	Restricted MAT or EGG electives: choose from	
	CSC 160 (C++), MAT 175, 255, 260	3

**Computer Science in Engineering option – 15 credit hours**

12 credit hours of Humanities/Social Science electives required

	EGG 105 Logic Design	4
	CSC 160 Computer Science I (C++)	4
	CSC 161 Computer Science II (C++)	4
	Restricted MAT or CSC electives: choose from	
	CSC 225, MAT 255, 260, 280	3

**Electrical Engineering option – 15 credit hours**

12 credit hours of Humanities/Social Science electives required

	EGG 105 Logic Design	4
	EGG 221 Circuit Analysis I	4
	EGG 222 Circuit Analysis II	4
	Restricted MAT or CSC electives: choose from	
	CSC 160 (C++), 233, 255 MAT 255, 260	3

**Mechanical Engineering option – 15 credit hours**

15 credit hours of Humanities/Social Science electives required

	EGG 101 Engineering Graphics	3
	EGG 211 Engineering Mechanics: Statics	3
	EGG 212 Engineering Mechanics: Dynamics	3
	Restricted MAT or CSC electives: choose from	
	CSC 160 (C++), MAT 255, 260	3

**Total Required – 65 credits**

## IMPORTANT PROGRAM INFORMATION:

Students must choose one of four program options. Please contact the Health, Math, Science and Engineering Division at 303-797-5991 for more information.

Students must meet with the ACC Engineering Department Advisor to plan their program of study. Please contact Henry Weigel at 303-797-5831 or [henry.weigel@arapahoe.edu](mailto:henry.weigel@arapahoe.edu).

NOTE: This degree will be conferred as an Associate of General Studies. Engineering Emphasis will not be listed on the student's transcript or diploma.

## ASSESSMENT REQUIREMENTS:

Basic Skills courses may be required based on assessment scores. It is the student's responsibility to take these course requirements within the first 30 credits at ACC. Basic Skills courses are also available at other area community colleges.

Tested Out/Completed	Semester	ACT/SAT Last 2 yrs	Accuplacer	Course	Credits
<b>Sentence Skills</b>					
			25-49	See Developmental Studies Advisor	
			50-69	ENG060	3
			70-94	ENG090	3
		18/440	95-120	ENG 121	3
<b>Reading</b>					
			25-39	See Developmental Studies Advisor	
			40-61	REA060	3
			62-79	REA090	3
		17/430	80-120	REA 112	3
<b>Mathematics</b>					
		Arithmetic	24-56	MAT030	2
		Arithmetic	57-120	MAT060	3
		Elem. Alg.	45-60	MAT090	4
		Elem. Alg.	61-84	MAT106/111	5
		19/460	85-120	MAT 120,121,123,135/179	4
<b>Study Skills/Orientation</b>					
	Academic Achievement Strategies			AAA090	3
	College Orientation			AAA101	1
	Advanced Academic Achievement			AAA 109	3

### EXEMPTIONS TO ASSESSMENT TESTING:

- Have successfully completed a college-level mathematics and college-level english course with a grade of C or better. You must provide a transcript.
- Have achieved the minimum ACT/SAT scores shown above within the last 2 years and provide documentation.
- Have successfully completed necessary remedial course(s), if required with a "C" or better.
- Have earned an Associate's degree or higher. You must provide documentation.
- Some degree programs do not allow a waiver for the CPT.

## IMPORTANT TELEPHONE NUMBERS:

Admission and Records	<a href="mailto:admissions@arapahoe.edu">admissions@arapahoe.edu</a>	M2470	303.797.5621
Advising and Counseling Center	<a href="mailto:advising@arapahoe.edu">advising@arapahoe.edu</a>	M 2010	303.797.5664
Bookstore	<a href="mailto:0249mgr@fhcg.follett.com">0249mgr@fhcg.follett.com</a>	M1200	303.797.5676
Campus Police	<a href="mailto:campuspolice@arapahoe.edu">campuspolice@arapahoe.edu</a>	M2600	303.797.5800
Career Center	<a href="mailto:careers@arapahoe.edu">careers@arapahoe.edu</a>	M2025	303.797.5805
Cashier		M2300	303.797-5638
Child Development Center		N1000	303.797.5678
Disability Services	<a href="mailto:heather.lawler@arapahoe.edu">heather.lawler@arapahoe.edu</a>	M2710	303.797.5937 v/tty
Financial Aid		M2115	303.797.5661
• Apply online at <a href="http://www.FAFSA.ed.gov">www.FAFSA.ed.gov</a>			
Information Central	<a href="mailto:info-central@arapahoe.edu">info-central@arapahoe.edu</a>	M2800	303-797-4222
Library	<a href="mailto:library@arapahoe.edu">library@arapahoe.edu</a>	M2500	303.797.5090
Math Lab	<a href="mailto:math@arapahoe.edu">math@arapahoe.edu</a>	M3610	303.797.5877
• Students must register for MAT 101 Enhanced Mathematics Lab			
Open Computer Lab		M1650	303.797.5907
Student Affairs	<a href="mailto:heather.lawler@arapahoe.edu">heather.lawler@arapahoe.edu</a>	M2820	303.797.5668
Testing Center		M2280	303.797.5993
Tutorial Services	<a href="mailto:debra.goldberg@arapahoe.edu">debra.goldberg@arapahoe.edu</a>	M2710	303.797.5937 v/tty
Writing Center		M2855	303.797.5830

### Location Abbreviations:

A – Annex	AD – Art and Design Center
CSB – Church Street Building	M – Main Building
UCC – University Center @ Chaparral (15653 Brookstone Dr, Parker)	N – North Building

## TRANSFER INFORMATION:

- It is important that you consult an advisor and the transfer institution when choosing courses, as certain majors have particular degree prerequisites and general education course requirements that need to be taken within the Associate degree program.
- Students who complete a 60 credit hour A.A./A.S. degree with appropriate course requirements and grades of C or better may be able to complete a Baccalaureate degree in 60 additional credits after transferring to a 4-year public institution.
- Consult your ACC Advisor about Colorado's 60 + 60 plans.
- ACC has articulation agreements with several four-year institutions; visit the ACC Transfer Center of the website ([www.arapahoe.edu](http://www.arapahoe.edu)) for more information.

## SUGGESTIONS FOR SUCCESS

- Obtain and read a copy of the ACC catalog.
- Attend a New Student Orientation session.
- Maintain current contact information on file and read all correspondence from ACC.
- Take your CPT or be exempted (see above) before meeting with an academic advisor.
- Take English, Speech and Math classes early in your program.
- See your advisor about balancing your workload with credit load.
- If you want to graduate in two years, take a minimum of fifteen college-level credits per fall/spring semester or twelve credits Fall/Spring and six credits Summer.
- Transfer and financial aid students should consult an advisor before registering.

## GRADUATION INFORMATION

- No catalog more than six years old may be used for graduation requirements; the 2007/2008 catalog may not be used beyond the Spring 2013 semester.
- You must apply for graduation; obtain the application online at [www.arapahoe.edu](http://www.arapahoe.edu) (Student Services) and apply by: April 1 (summer graduation), July 1 (fall graduation) and November 1 (spring graduation).**

For more information log on to [www.arapahoe.edu](http://www.arapahoe.edu).

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