

An Associate degree in this program will provide the educational background and basic technical training necessary for the graduate to seek employment with one of the area manufacturing or engineering industries. Students will be prepared for a variety of job entry positions whose titles include draftsman, junior designer and computer aided design technician.

**General Education – 16 credit hours**

	CIS 118 Introduction to PC Applications	3
	ENG 121 English Composition I <b>OR</b>	
	ENG 131 Technical Writing	3
	MAT 108 Technical Math (or higher)	4
	SPE 115 Public Speaking	3
	General electives from the general elective course list (Communication, Science or Math) please see an advisor for appropriate selection	3

**Computer Courses – 19 credit hours**

	CAD 101 Computer Aided Drafting I	3
	CAD 102 Computer Aided Drafting II	3
	CAD 201 Computer Aided Drafting Custom	3
	CAD 202 Computer Aided Drafting 3D	3
	CAD 217 3D Studio Viz	3
	CAD 249 Auto LISP Programming	3
	CIS 130 Introduction to the Internet	1

**Physical Education – 1 credit hour**

	PED Any Activity Course (The PED requirement will be waived for students who are 35 yrs or older at time of most recent admission to College. One credit hour must be taken to substitute for hour waived)	1
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Choose one of the following sections:

**Architecture – 28 credit hours**

	ARC 101 Introduction to Architectural Drawing	5
	ARC 102 Residential Architecture	5
	ARC 107 Blueprint Reading Residential/Commercial	3
	ARC 116 Building Materials	3
	ARC 121 Building Structure Analysis	3
	ARC 215 Architectural Graphics	3
	ARC 231 Building Service System	3
	CAD 225 Architectural Desktop/Autodesk	3

\_\_\_\_\_ **Total with Architectural Option – 64 credits**

**Mechanical– 24 credit hours**

	DRT 101 Technical Drafting I	3
	DRT 102 Technical Drafting II	3
	DRT 105 Blueprint Reading	3
	DRT 109 Descriptive Geometry	3
	MTE 120 Manufacturing Process	3
	TEC 201 Engineering Materials	3
	TEC 205 Geometric Dimensioning and Tolerancing	3
	CAD 254 Mechanical Desktop/Autodesk	3

\_\_\_\_\_ **Total with Mechanical Option – 60 credits**

## IMPORTANT PROGRAM INFORMATION:

Please see Advising with any questions concerning this program; 303.797.5664 or [Advising@arapahoe.edu](mailto:Advising@arapahoe.edu).

## 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:

1. Have successfully completed a college-level mathematics and college-level English course with a grade of C or better. You must provide a transcript.
2. Have achieved the minimum ACT/SAT scores shown above within the last 2 years and provide documentation.
3. Have successfully completed necessary remedial course(s), if required with a "C" or better.
4. Have earned an Associate's degree or higher. You must provide documentation.

5. Some degree programs do not allow a waiver for the CPT.

## IMPORTANT TELEPHONE NUMBERS:

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

### Location Abbreviations:

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

## TRANSFER INFORMATION:

1. 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.
2. 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.
3. Consult your ACC Advisor about Colorado's 60 + 60 plans.
4. 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

1. Obtain and read a copy of the ACC catalog.
2. Attend a New Student Orientation session.
3. Maintain current contact information on file and read all correspondence from ACC.
4. Take your CPT or be exempted (see above) before meeting with an academic advisor.
5. Take English, Speech and Math classes early in your program.
6. See your advisor about balancing your workload with credit load.
7. 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.
8. Transfer and financial aid students should consult an advisor before registering.

## GRADUATION INFORMATION

1. 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.
2. **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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