



# Associate of Science (AS) Degree (With Physician Assistant Program (PAP) prerequisites) (60 Credits)

## General Education Course Requirements: Statewide GT (Guaranteed Transfer) Courses (39-44 credits)

\*Additional courses may apply. Consult an Academic Advisor for details.

### Communication – 3 Courses (9 credits)

English 121, English Composition I	3
English 122, English Composition II	3
COM 115, Public Speaking * OR COM 125, Interpersonal Communication * OR COM 220, Intercultural Communication *	3

- Communication is a CCCS (Colorado Community College System) requirement and is in addition to the Statewide Guaranteed (GT) transfer courses

### Mathematics – 1 course (3 to 5 credits)

MAT 121, College Algebra (PAP min. MAT course)	4
MAT 122, Trigonometry	3
MAT 166, Pre-Calculus	5
MAT 201, Calculus I	5
MAT 202, Calculus II	5
MAT 204, Calculus III with Engineering Applications	5
MAT 261, Differential Equations with Engineering Applications	4

### Arts & Humanities – 2 courses (6 credits)

Must cover 2 different categories

#### Arts & Expression

ART 110, Art Appreciation	3
ART 111/112, Art History I/II	3/3
DAN 125, History of Dance	3
MUS 120, Music Appreciation	3
MUS 121/122, Intro to Music History I/II	3/3
MUS 123, Survey of World Music	3
MUS 125, History of Jazz	3
THE 105, Theater Appreciation	3
THE 211/212, Development of Theatre I/II	3/3

#### Literature & Humanities

HUM 115, World Mythology	3
HUM 121/122/123, Survey of Humanities I/II/III	3/3/3
LIT 115, Intro to Literature	3
LIT 201/202, World Literature I/II	3/3
LIT 205, Ethnic Literature	3
LIT 211/212, Survey of American Lit. I/II	3/3
LIT 221/222, British Literature I/II	3/3
LIT 225, Intro to Shakespeare	3
LIT 268, Celtic Literature	3

#### Ways of Thinking

PHI 111, Intro to Philosophy	3
PHI 112, Ethics	3
PHI 113, Logic	3
PHI 114, Comparative Religion	3
PHI 214, Philosophy of Religion	3
PHI 218, Environmental Ethics	3

#### Foreign Languages (Must be Intermediate/200-level)

FL 211/212, 2 <sup>nd</sup> yr, Foreign Language III/IV French, German, Italian, Japanese, Russian, Spanish	3/3
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### History – 1 course (3 credits)

HIS 101/102, History of Western Civ. I/II	3/3
HIS 111/112, World Civilization I/II	3/3
HIS 201/202, U.S. History I/II	3/3
HIS 215, Women in History	3
HIS 225, Colorado History	3
HIS 244, History of Latin America	3
HIS 247, Contemporary World History	3

### Social & Behavioral Sciences – 2 courses (6 credits)

Must cover 2 different categories

#### Economic & Political Systems

ECO 201/202, Macro/Micro Economics	3/3
ECO 245, Environmental Economics	3
POS 105, Intro to Political Science	3
POS 111, American Government	3
POS 125, American State and Local Government	3
POS 205, International Relations	3
POS 225, Comparative Government	3

#### Geography

GEO 105, World Regional Geography	3
GEO 106, Human Geography	3

#### Human Behavior, Culture or Social Frameworks

ANT 101, Cultural Anthropology	3
ANT 107, Intro to Archaeology	3
ANT 111, Physical Anthropology	3
ANT 115, Indians of North America	3
ANT 250, Medical Anthropology	3
COM 220, Intercultural Communication	3
JOU 105, Intro to Mass Media	3
PSY 101/102, General Psychology I/II	3/3
PSY 205, Psychology of Gender	3
PSY 217, Human Sexuality	3
PSY 226, Social Psychology	3
PSY 227, Psychology of Death & Dying	3
PSY 235, Human Growth & Development	3
PSY 238, Child Development	3
PSY 249, Abnormal Psychology	3
SOC 101/102, Intro to Sociology I/II	3/3
SOC 205, Sociology of Family Dynamics	3
SOC 215, Contemporary Social Problems	3
SOC 216, Sociology of Gender	3
SOC 218, Sociology of Diversity	3
SOC 231, Sociology of Deviant Behavior	3
SOC 237, Sociology of Death and Dying	3

### Natural & Physical Sciences – 3 courses (12 - 15 credits)

Must take 2 courses in sequence

AST 101/102, Astronomy I/II	4/4
BIO 111/112, General College Biology I/II (meets PAP prerequisite requirement)	5/5
BIO 201/202, Anatomy & Physiology I/II (meets PAP prerequisite requirement)	4/4
BIO 204, Microbiology (meets PAP prerequisite requirement)	4
BIO 220, General Zoology	5
BIO 221, Botany	5
CHE 111/112, General College Chemistry I/II	5/5
ENV 101, Environmental Science	4
GEY 111, Physical Geology	4
GEY 121, Historical Geology	4
GEY 135, Environmental Geology	4
MET 150, General Meteorology	4
NRE 251, General Oceanography	4
PHY 111/112, Physics: Algebra Based I/II (meets PAP prerequisite requirement)	5/5
PHY 211/212, Physics: Calculus Based I/II	5/5

**Approved Electives: Choose from electives listed on back of this sheet**

# AS: Additional Catalog Requirements

The State-Guaranteed Colorado Community College General Education requirements and the Approved Elective Transferable courses have been incorporated into this AS degree. Completion of the degree with a "C" or better in every course, guarantees that the student can transfer, upon admission, to any Colorado public 4-year college or university with 60 transferable credits. Grades "C" or better are required for all general education coursework. "D" grades for elective courses will count for degree completion, but will not transfer. In addition, a minimum 2.0 cumulative grade point average is required for degree completion. This is an open-ended degree plan, allowing students to tailor their coursework toward a particular transfer institution and/or major. Please refer to other degree offerings for specific articulations and designations.

When choosing general education requirements and electives, it is important to contact an advisor and the college or university you are transferring to. You will graduate under the catalog requirements listed for the semester that you were first enrolled. If you interrupt attendance for two consecutive semesters (excluding summer term) or more, and then return, the catalog of the re-admission semester is the governing document. You may choose to use the catalog that is in effect the semester you graduate. Be sure to obtain and keep a copy of your governing catalog.

## Approved Electives – (16-21 credits) Transferable Courses for the Associate of Science Degree

These courses transfer to one or more of the public four-year colleges or universities in Colorado. All courses will count toward the AS degree. However, transferability depends on the four-year institution. Additional courses may be transferable. For specific information, please consult an advisor in the Advising Center.

In addition to general education courses, students must complete an additional 16-21 credits of approved electives, **14 credits of which are to be taken from any of the science or math disciplines listed below. These include AST, BIO, CHE, CSC, ENV, GEO 111 & 112, GEY, MET, PHY and MAT.** Please see an advisor in your program of study for specific course suggestions. Credits earned above the minimum to satisfy a requirement may be applied to a different area.

### Approved science and math electives – a minimum of 14 credits are required

Astronomy	AST	All courses
Biology	BIO	All courses except 105 and 106
Chemistry	CHE	All courses (CHE 211 Organic Chemistry I meets PAP prerequisite requirement)
Computer Science	CSC	119,160,161,165,240,261
Environmental Science	ENV	101
Geography	GEO	111 & 112
Geology	GEY	All courses
Mathematics	MAT	All courses 121 & above except 123, 125, 135, 155 & 156 (MAT 135 meets PAP prerequisite requirement. Confirm transfer credit to degree-granting 4-year institution)
Meteorology	MET	150
Oceanography	NRE	251
Physics	PHY	All courses except 105 and 107

### Additional approved electives, after 14 credits from above science and math subjects are satisfied (if applicable)

Anthropology	ANT	All courses
Communication	COM	All courses
Computer Info Systems	CIS	118,240,251,268
*Communication Disorders	CMD	All courses
Economics	ECO	All courses
English	ENG	All courses above 122
Foreign Language	FRE,GER,ITA,JPN,RUS,SPA	All except 101/102
Geography	GEO	All courses, except 111 & 112
Health & Wellness	HWE	100
Psychology	PSY	235

(\*) May not apply to some 4 year degree programs

## Other AS Degree Requirements

- A minimum of 60 credits is required for the Associate of Science Degree. This must include 39-44 credits in general education transfer courses, which includes COM 115, 125, or 220 (3 credits), and 16-21 credits in the areas specified above in approved electives.
- If you are planning to transfer to a four-year college or university, consult an advisor for assistance in planning your program of study. Also consult the Transfer Guide for GPA requirements of the college to which you are planning to transfer.
- Complete a minimum of 15 credits through Red Rocks Community College.
- You must file an Application for Graduation during the term in which you intend to graduate, according to the deadline published in the Class Schedule for that term (file in Admissions). You must apply to graduate within one year of completing requirements.
- No more than 6 credits of independent study course work may be applied toward this degree.
- There is no limit on special-topic courses allowed to count toward an AS degree. In individual cases, the limit will be determined by the program area. If you are taking special-topic courses, consult with your advisor regarding how these credits will apply toward a degree.
- To earn multiple Red Rocks degrees, you must complete an additional 15 credits of coursework (above and beyond the original 60 credits required for the first degree) for each successive degree. These 15 credits must all apply toward the additional degree and must be completed through Red Rocks.
- With the approval of a faculty advisor and an instructional vice president, up to 3 credits of internship may apply toward this degree.