Pikes Peak Community College

Associate of Science Degree (AS)

Full list of requirements can be found online at http://www.ppcc.edu/catalog-and-schedules

The Associate of Science degree is designed for students who want an emphasis in natural sciences, mathematics, computer science, pre-engineering, and allied health and intend to transfer to four-year colleges and universities. To earn the Associate of Science Degree, students must complete the following course requirements for a total of 60 semester credit hours, at least 36 of which must be Colorado State-Guaranteed Courses.

Courses marked with an asterisk [*] may not be currently offered at PPCC.

Written Communication

Six (6) credit hours

☐ GT-CO1:	ENG 121	English Composition I: CO1	3
and			
☐ GT-CO2:	ENG 122	English Composition II: CO2	3
OR			
☐ GT-CO2:	ENG 122	English Composition II: CO2	(3)
and			
☐ GT-CO3:	ENG 201	English Composition III: CO3	(3)

Oral Communication

Three (3) credit hours

☐ COM 115	Public Speaking	3
or		
☐ COM 125	Interpersonal Communication	(3)
or		
☐ COM 220	Intercultural Communication	(3)

Mathematics

☐ Three (3) credit hours

GT-MA1: MAT 121, MAT 122, MAT 123, MAT 125, MAT 135, MAT 166, MAT 201, MAT 202, MAT 203, MAT 204, MAT 215, MAT 261*, MAT 265

History

☐ Three (3) credit hours

GT-HI1: HIS 101, HIS 102, HIS 111, HIS 112, HIS 201, HIS 202, HIS 205, HIS 207, HIS 208, HIS 215, HIS 225, HIS 235, HIS 236, HIS 243, HIS 244, HIS 245*, HIS 247, HIS 249, HIS 250, HIS 251*, HIS 255, HIS 260

Art and Humanities

☐ Six (6) credit hours

Two guaranteed transfer courses from two different areas (AH1, AH2, AH3 or AH4).

GT-AH1: ART 110, ART 111, ART 112, ART 207, DAN 125, MUS 120, MUS 121, MUS 122, MUS 123, MUS 125, THE 105, THE 211, THE 212

GT-AH2: HUM 103, HUM 115, HUM 121, HUM 122, HUM 123, LIT 115, LIT 201, LIT 202, LIT 205, LIT 211, LIT 212, LIT 221, LIT 222, LIT 225, LIT 259*, LIT 268

GT-AH3: PHI 111, PHI 112, PHI 113, PHI 114, PHI 115, PHI 116, PHI 214, PHI 218, PHI 220*

GT-AH4: FRE 211, FRE 212, GER 211, GER 212, ITA 211, ITA 212, JPN 211, JPN 212, RUS 211, RUS 212, SPA 211, SPA 212

Social and Behavioral Sciences

☐ Six (6) credit hours

Two guaranteed transfer courses from two different areas (SS1, SS2, SS3, HI1).

GT-SS1: AGE 102*, ECO 101*, ECO 201, ECO 202, ECO 245, POS 105, POS 111, POS 125, POS 205, POS 215, POS 225

GT-SS2: GEO 105, GEO 106

GT-SS3: AGR 260*, ANT 101, ANT 103, ANT 104, ANT 107, ANT 108*, ANT 201, ANT 215, ANT 250*, COM 220, CRJ 110, ETH 200, JOU 105, PSY 101, PSY 102, PSY 205, PSY 217, PSY 226, PSY 227, PSY 235, PSY 238, PSY 240*, PSY 249, SOC 101, SOC 102, SOC 205, SOC 207, SOC 215, SOC 218, SOC 220, SOC 216, SOC 231, SOC 237, WST 200, WST 225*, WST 240*

Natural and Physical Sciences

☐ Twelve (12) credit hours

One (2 course) lab sequence in any guaranteed transfer science discipline (SC1); additional guaranteed transfer lab science course (SC1).

GT-SC1: AGY 240, ANT 111, AST 101, AST 102, BIO 104, BIO 105, BIO 111, BIO 112, BIO 201, BIO 202, BIO 204, BIO 208*, BIO 220, BIO 221, BIO 224, CHE 101, CHE 102, CHE 105*, CHE 111, CHE 112, ENV 101, GEO 111, GEO 112, GEY 111, GEY 112, GEY 135, MET 150, NRE 251*, PHY 105*, PHY 107*, PHY 111, PHY 112, PHY 211, PHY 212

Other required courses and electives

Twenty-one (21) credit hours selected from the AS approved course list.

Total Credit Hours 60

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Approved Elective Course List for AS Degrees

These courses are guaranteed to transfer as part of the 60+60 Bachelor's Degree Transfer Program. State-wide and individual college transfer agreements prescribe electives which transfer as part of those programs. Students who transfer prior to completing the AS degree are responsible for checking transfer of individual courses with the receiving four-year institution.

Twenty-one (21) credits must be selected from the following list of Mathematics and Science courses to complete the Associate of Science Degree

Mathematics

☐	MAT 121	College Algebra: MA1	4
☐	MAT 122	College Trigonometry: MA1	3
☐	MAT 125	Survey of Calculus: MA1	4
☐	MAT 135	Introduction to Statistics: MA1	3
☐	MAT 166	Pre-Calculus: MA1	5
☐	MAT 179	Computer Applications for Statistical Procedures	1
☐	MAT 201	Calculus I: MA1	5
☐	MAT 202	Calculus II: MA1	5
☐	MAT 203	Calculus III: MA1	4
☐	MAT 204	Calculus III with Engineering Applications: MA1	5
☐	MAT 215	Discrete Mathematics: MA1	4
☐	MAT 265	Differential Equations: MA1	3

Science

☐	AST 101	Astronomy I with Lab: SC1	4
☐	AST 102	Astronomy II with Lab: SC1	4
☐	BIO 111	General College Biology I w/Lab: SC1	5
☐	BIO 112	General College Biology II w/Lab: SC1	5
☐	BIO 201	Human Anatomy & Physiology I: SC1	4
☐	BIO 202	Human Anatomy & Physiology II: SC1	4
☐	BIO 204	Microbiology: SC1	4
☐	BIO 216	Human Pathophysiology	4
☐	CHE 111	General College Chemistry I: SC1	5
☐	CHE 112	General College Chemistry II: SC1	5
☐	CHE 211	Organic Chemistry I: SC1	5
☐	CHE 212	Organic Chemistry II: SC1	5
☐	CSC 105	Computer Literacy	3
☐	CSC 120	Problem Solving with (Software Package)	3
☐	CSC 126	Game Design & Development	3
☐	CSC 150	Visual Basic Programming: 6.0	3
☐	CSC 154	Visual Basic .net Programming	3
☐	CSC 160	Computer Science I (Language)	4
☐	CSC 161	Computer Science II (Language)	4
☐	CSC 225	Computer Architecture/Assembly Language Programming	4
☐	CSC 230	C Programming: Platform	3
☐	CSC 240	Java Programming	3
☐	GEO 111	Physical Geography – Landforms: SC1	4
☐	GEO 112	Physical Geography–Weather & Climate: SC1	4
☐	GEY 111	Physical Geology with Lab: SC1	4
☐	GEY 112	Historical Geology with Lab: SC1	4
☐	GEY 135	Environmental Geology with Lab: SC1	3
☐	PHY 111	Physics: Algebra-Based I w/Lab: SC1	5
☐	PHY 112	Physics: Algebra-Based II w/Lab: SC1	5
☐	PHY 211	Physics: Calculus-Based I w/Lab: SC1	5
☐	PHY 212	Physics: Calculus-Based II w/Lab: SC1	5