

Partners in Education

Associate of Science (AS) - Biology

The Associate of Science (AS) in Biology is a degree designated to transfer to several 4-year institutions in Colorado. A degree in Biology can build toward career options in healthcare, engineering, industry, animal care, research, arts, legal, government, and environmental fields. For information about which colleges accept ACC's Business Biology transfer degree visit <https://higher.ed.colorado.gov/transfer-degrees>.

Courses offered toward degree at Castle View High School

Highlighted courses also have an Advanced Placement (AP) option with a passing AP exam score

Courses	Credit Hours
Written Communication: ENG 121 – English Composition I ENG 122 – English Composition II	3 3
Arts & Humanities: LIT 115 – Introduction to Literature (3 credits) MUS 120 – Music Appreciation (3 credits) SPA 211 – Spanish Language III (3 credits) or SPA 212 – Spanish Language IV (3 credits) FRE 211 – French Language III (3 credits) or FRE 212 – French Language IV (3 credits)	6
History: HIS 121 – U.S. History to Reconstruction	3
Elective Courses: ASL 121, 122, or 123- American Sign Language (5 credits each), ASL 124 – Interm. ASL (3 credits) CIS 118 – Intro to PC Applications CSC 119 – Intro to Programming FRE 111 or 112 – French Language I or II (5 credits) (NOTE: some 4-year institutions will only accept 200 level foreign language courses) FRE 211 – French Language III (3 credits), FRE 212 – French Language IV (3 credits) MAT 204 – Calculus III/Engineering App (5 credits) SPA 111 or 112 – Spanish Language I or II (5 credits) (NOTE: some 4-year institutions will only accept 200 level foreign language courses) SPA 211 – Spanish Language III (3 credits), SPA 212 – Spanish Language IV (3 credits)	4
Total Credit Hours at High School	19

Remaining Courses Offered Toward Degree at Arapahoe Community College

Courses	Credit Hours
Mathematics: MAT 201 – Calculus I (Pre-requisite courses including MAT 121 and MAT 122/166 may be required for MAT 201 placement)	5
Social / Behavioral Science: Choose 2 Guaranteed Transfer (GT) courses* from the subject areas including Anthropology, Communication, Economics, Geography (GEO 105 or GEO 106), Journalism, Political Science, and Psychology.	3 3
Natural & Physical Science: BIO 111 – General College Biology I w/ Lab CHE 111 – General Chemistry I w/ Lab	5 5
Biology Major Courses: BIO 112 – General College Biology II w/ Lab** CHE 112 – General College Chemistry II w/ Lab** PHY 111 – Algebra Based Physics I w/ Lab PHY 112 – Algebra Based Physics II w/ Lab	5 5 5 5
Total Credit Hours at Arapahoe Community College (Minimum of 15 ACC credits)	41
Total Credit Hours for AS Degree	60

Disclaimer: This academic plan provides guidance and is tentative and subject to change, based on concurrent enrollment classes offered at the high schools and on ACC programs offered in any given academic year. 09/2021

*For a list of guaranteed transfer courses please visit: <https://tinyurl.com/jnwz6p6p>

**BIO 112 and CHE 112 credits are acquired by achieving a 5 on their respective AP exams.