

## CCV STEM Studies to Castleton Biology PATHWAY

Fall 2019-Summer 2020

CCV PROGRAM: STEM Studies	CASTLETON PROGRAM: Biology B.S.
Gen Ed: First Semester Seminar:INT-1050	Gen Ed: World Views Frame (FYS)
Gen Ed: Technological Literacy course	Gen Ed: Computing
Gen Ed: Communication: Recommended ENG-1070 Effective	Gen Ed: Speaking: ENG-1070 Effective Speaking
Gen Ed: ENG-1061 English Composition	Gen Ed: ENG-1061 English Composition
Gen Ed: Mathematics: Choose MAT-2021 Statistics or MAT-2036 Biostatistics (at CU if possible )	MAT-2036 Biostatistics
Gen Ed: Quantitative Reasoning Assessment	Gen Ed: Quantitative Reasoning Exam
Gen Ed: Research/Writing Intensive course: ENG-2135 Technical Writing & Research	Gen Ed: Writing Intensive course
Gen Ed: Scientific Method course BIO 1211 Intro Biology: Ecology & Evolution**	BIO-1122 Biology II
Gen Ed: Human Expression: Choose course in ART, ARH, DAN, ENG (above ENG-1300), FLM, MUS, THA	Gen Ed: Aesthetics Understanding Frame
Gen Ed: Human Behavior: Choose course in ANT, ECO, PSY, SSC, SWK, SOC	Gen Ed: Social and Behavioral Frame
Gen Ed: Global Perspectives & Sustainability: Choose course in ANT, ARH, COM, DAN, ENG, HIS, HUM, MUS, PHI, POS, SOC, SSC	Gen Ed: World Views Frame or Aesthetic Understanding Frame
Gen Ed: HUM-2010 Seminar in Educational Inquiry	Gen Ed: Aesthetic Understanding Frame; Writing Intensive; and Information Literacy Graduation Standard
Additional credits to reach 23 college-level credits from any combination of AHS, ARC, BIO, CHE, CIS (above CIS-1020), ENV, GEY, MAT, or PHY Consider: CHE-1031 General Chemistry I** CHE-1032 General Chemistry II** BIO-1212 Intro Biology: Cells & Genetic Basis of Life** BIO-2120 Elements of Microbiology PHY-1041 Physics I^ MAT 1531 Calculus I	CHE-1051 Chemistry I CHE-1052 Chemistry II BIO 1121 Biology I BIO-2125 Fundamentals of Microbiology PHY 1051 General Physics I MAT 1531 Calculus I- recommended for graduate school
INT-2860 Professional Field Experience	Elective
Total CCV credits: 61	
**Grades of "C" or higher required to be applied to CU BIO degree	BIO-2010 Cell and Molecular Biology 4 cr BIO-3060 Ecology or BIO-3065 Plant Ecology 4 cr
In-person labs are recommended to better prepare students for additional in-person labs students will complete at CU	BIO-3070 Genetics 4 cr BIO-4030 Evolution 4 cr CHE-2111 Organic Chemistry I 4 cr
^Students interested in graduate school and/or the Molecular Biology & Biomedicine concentration should consider taking PHY 1051 at CU to better prepare for PHY 1052	SCI-1230 Pathways to Science 1 cr SCI-2100 Science Colloquium 1 cr 12 additional BIO credits at 3000 level or above Soundings:INT-1051 waived, INT-1053, INT-3054 Speaking Intensive in the discipline ENG-2260 Touchstones
	Course(s) to satisfy General Education "Frames", additional credits required for optional concentrations in major
	Other requirements and electives to reach 120 credits

ESTIMATED ADDITIONAL CASTLETON CREDITS FOR BACHELOR DEGREE: 60